



CPT

SKILLS DEVELOPMENT SOLUTIONS



Learnerships



Skills
Programmes

National Certificate: Production Technology NQF

2

SAQA ID.: 58781

General Information

Qualification Title	National Certificate: Production Technology
SAQA Qualification ID	58781
NQF Level	NQF 2
Minimum Credits	125
Primary ETQA	MerSETA
Registration Status	Registered

Purpose of the Qualification

The combination of learning outcomes that comprise this qualification will provide the qualifying learner with vocational knowledge and skills appropriate to the context of production technology.

This qualification provides learners with the range of learning and skills required to be able to perform a series of activities to support manufacturing, engineering and technology processes. Learners will acquire a range of skills in the identification of production parameters in manufacturing, engineering and technology industries and basic strategies to achieve them.

The qualifying learner will be able to:

- Communicate production and manufacturing related operational information to a variety of end users
- Optimise organisational structures, functions and processes in order to contribute to achieving production specifications
- Maintain a safe and healthy work environment through contributions made to production activities individually and in working groups
- Demonstrate an understanding of production technology practices, terminology and systems as applied in manufacturing, engineering and technology
- Apply quality standards and procedures in production activities

This qualification is the first qualification in a pathway of three (3) qualifications for learners in the production technology environment.

Rationale for the Qualification

As a result of an increased need for efficient and quality production processes in the manufacturing, engineering and technology field, the demand for production technology competencies has become more evident.

This qualification contributes to the industries in manufacturing and related fields which will allow learners who achieve the qualification to contribute and function in areas such as production processes, systems and maintenance, quality and occupational health and safety. Learners who will typically embark on this qualification are individuals who have an interest in a career in production technology. The production technology competencies incorporated in this qualification can also be offered as support skills programmes to incumbents in any other manufacturing, engineering and technology field qualifications.

This qualification will add value to a specific manufacturing, engineering and technology context by complementing contexts specific qualifications within these sectors. The supportive relationship between occupational qualifications and this suite of qualifications is embedded in the inclusion of production technology competencies that have previously not been included in mainstream production, manufacturing and technological qualifications in order to address these identified gaps.

These qualifications have therefore been designed in such a way to firstly, facilitate the building of a pool of people that can choose a career in a production, engineering, manufacturing field and secondly, to allow any of the manufacturing and related qualifications to utilise the production technology qualifications as entry qualifications in these industries, since they would include the production technology competencies that these industries require.

Modules

National Certificate: Production Technology NQF 2			
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Module No.:	Name of Module	Unit Standards	Duration of Module
PoE 01	Plan and Prepare a POE for Assessment	12465	1 Day
Module 1	Communication Skills	119463, 119454, 119456, 119460	5 Days
Module 2	Numeric Skills	9007, 7480, 12444	5 Days
Module 3	Life Skills	7469, 12463, 9009	5 Days
Interim Assessments of POE (Learners not Required)			
Module 4	Introduction to Safety	13222, 13167, 9964, 13220	5 Days
Module 5	Operate a production process	244338, 12476	7 Days
Module 6	Routine Maintenance	13221	2 Days
Interim Assessments of POE (Learners not Required)			
Module 7	Organisational Orientation	14445, 12036, 12456	5 Days
Module 8	Understanding Production	13162, 119139	4 Days
Module 9	Supply of Material	12667, 114891	4 Days
Total Number of Classroom Days:			43 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
14445	Frame and implement an individual action plan to improve productivity within an organisational unit	3
13162	Identify and describe inputs, outputs, stages and quality indicators of the manufacturing, assembly or engineering process	10
13167	Identify potential hazards and critical safety issues in the workplace	2
9964	Apply health and safety to a work area	3
114891	Count stock for a stock-take	5
13220	Keep the work area safe and productive	8
119139	Monitor the quality of the input materials and the manufactured plastic product	12
12036	Orientate self in the workplace	6
13221	Perform routine maintenance	8
12667	Supply raw and processed material to production line	3
12463	Understand and deal with HIV/AIDS	3
12456	Explain and use organisational procedures	6
Note: ALL CORE Unit Standards are covered - 69 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
119454	Maintain and adapt oral/signed communication	5
12444	Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts	3
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
244338	Operate a production process	15
12476	Select, use and care for engineering measuring equipment	4
13222	Deal with safety, health and environmental emergencies in the workplace	4
12465	Develop a learning plan and a portfolio for assessment	6
Note: ELECTIVE unit standards covered equal - 29 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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