



NATIONAL CERTIFICATE: PRODUCTION TECHNOLOGY

SAQA ID:	58785	NQF Level:	3
Learnership Duration:	12 months	Credits:	120
Contact Sessions:	Customised to client strategic needs and learners experience.		
Accrediting SETA:	Manufacturing, Engineering and Related Services SETA (MERSETA).		
Target Market:	Production Assistant, Production Controller, Production Supervisor, Plant Controller, Administration Clerk, Operators, Operations Co-ordinator, Stock Controllers, Receiving Staff		
Target Industries:	Manufacturing • Engineering		

Recommended Entry Criteria

- Communication NQF Level 2
- Mathematical Literacy NQF Level 2
- Contribute to achieving production specifications through optimising organisational structures, functions and processes NQF Level 2
- Demonstrate an understanding of production technology practices, terminology and systems as applied in manufacturing, engineering and technology NQF Level 2
- Contribute to efficient and effective production by applying quality standards and procedures NQF Level 2.

Purpose

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 purpose of this Qualification is to develop learners who, after completion, demonstrate the ability to:

- Perform production maintenance activities and report irregularities within organisational structures.
- Apply the fundamental concepts, theories and techniques of production systems.
- Apply the fundamental concepts relating to production planning, scheduling and control.
- Apply quality control and quality assurance practices for efficient and effective production processes.
- Communicate effectively as a member of a team.

Qualification Rules

The qualifying learner will achieve this qualification by complying with the following rules of combination for the accumulation of credits totalling 120:

- Fundamental unit standards totalling 36 credits are compulsory.
- Core unit standards totalling 51 credits are compulsory.
- Learners must complete unit standards to the value specialisation, of at least 33 credits from the specialisation, sector or general elective unit standards.

Skills Outcomes

- Perform production maintenance activities and report irregularities within organisational structures.
- Apply the fundamental concepts, theories and techniques of production systems.
- Apply the fundamental concepts relating to production planning, scheduling and control.
- Apply quality control and quality assurance practices for efficient and effective production processes.
- Communicate effectively as a member of a team.



Unit Standards

Cluster 1 (compulsory)

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	13234	Apply quality procedures	8
Core	13223	Apply safety, health and environmental protection procedures	6
Core	244504	Describe and explain the principles of logistics support in a specific context	6
Core	116218	Explain the planning and scheduling of tasks in a production environment	3
Core	242814	Identify and explain the core and support functions of an organisation	6
Core	9913	Perform first line maintenance	14
Core	120379	Work as a project team member	8

Cluster 2 (compulsory)

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	119472	Accommodate audience and context needs in oral/signed communication	5
Fundamental	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
Fundamental	9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	4
Fundamental	119466	Interpret a variety of literary texts	5
Fundamental	119457	Interpret and use information from texts	5
Fundamental	9012	Investigate life and work related problems using data and probabilities	5
Fundamental	119467	Use language and communication in occupational learning programmes	5
Fundamental	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	5

Cluster 3 (electives)

Outcome	SAQA ID	Name of Unit Standard	Credits
Elective	9530	Manage work time effectively	3
Elective	116720	Show understanding of diversity in the workplace	3
Elective	12483	Perform basic first aid	4
Elective	12455	Perform the role of a safety, health and environmental protection representative	4
Elective	116280	Demonstrate understanding of warehouse manufacturing and inventory assembly	20