



NATIONAL CERTIFICATE: PRODUCTION TECHNOLOGY

COURSE INFORMATION

SAQA ID: 58781

NQF Level: 2

Learnership Duration: 12 months

Credits: 128

Contact Sessions: Customised to client strategic needs and learners experience.

Accrediting SETA: Manufacturing, Engineering and Related Services Sector Education & Training Authority (MERSETA)

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:

- 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

ENTRY CRITERIA

- Communication NQF Level 1
- Mathematical Literacy NQF Level 1

MARKET INFORMATION

Target Market: Production Assistant, Production Controller, Production Supervisor, Plant Controller, Administration Clerk, Operators, Operations Co-ordinator, Stock Controllers, Receiving Staff

Target Industries: Manufacturing • Engineering

COURSE INFORMATION

- **Mentor Requirements:** Mentor must have at least 3 years of experience in a Wholesale and Retail Environment.
- **Workplace Approval:** MERSETA approval required
- **Workplace Requirements:** Learners must be exposed to all Outcomes related to this qualification.



SKILLS OUTCOMES

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

GENERAL INFORMATION

Credit Accumulation Transfer (CAT): CAT exemption is only applicable to approved learners. Approved learners will have reduced contact days. Learners who do not meet the CAT requirements will be required to complete Module 1 and Module 2 of this qualification.

FISA Requirements: Final Integrated Summative Assessment is the requirement for the successful completion of this learnership.

Recognition of Prior Learning (RPL): RPL is available for this qualification

UNIT STANDARDS

Unit Standards

Module 1 Orientation to the Production Environment

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	119456	Write/present for a defined context	5
Fundamental	119460	Use language and communication in occupational learning programmes	5
Core	14445	Frame and implement an individual action plan to improve productivity within an organisational unit	3
Core	12036	Orientate self in the workplace	6

Module 2 Apply quality standards and procedures in production activities

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	119454	Maintain and adapt oral/signed communication	5
Fundamental	119463	Access and use information from texts	5
Core	13162	Identify and describe inputs, outputs, stages and quality indicators of the manufacturing, assembly or engineering process	10



Outcome	SAQA ID	Name of Unit Standard	Credits
Core	119139	Monitor the quality of the input materials and the manufactured plastic product	12
Core	13221	Perform routine maintenance	8
Elective	265001	Maintain stock levels of equipment and consumables	4

Module 3 Production process

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	12444	Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts	3
Fundamental	9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	3
Core	12667	Supply raw and processed material to production line	3
Core	114891	Count stock for a stock-take	5
Core	13220	Keep the work area safe and productive	8
Elective	244338	Operate a production process	15

Module 4 Compliance and Calculations in a production environment

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	7480	Demonstrate understanding of rational and irrational numbers and number systems	3
Fundamental	9007	Work with a range of patterns and functions and solve problems	5
Core	12456	Explain and use organisational procedures	6
Core	13167	Identify potential hazards and critical safety issues in the workplace	2

Module 5 Housekeeping and Safety

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	2
Core	9964	Apply health and safety to a work area	3
Core	12463	Understand and deal with HIV/AIDS	3



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Outcome	SAQA ID	Name of Unit Standard	Credits
Elective	12483	Perform basic first aid	4



Academy