



NATIONAL CERTIFICATE: PRODUCTION TECHNOLOGY

NQF



3

SAQA



58785

TRAINING DAYS



21

DURATION



12 months

CREDITS



120

SETA



MerSETA

AVAILABLE DELIVERY METHODOLOGY



Online

This course is not available online.



Instructor Led

100% Trainer led methodology in order for learners to achieve applied competence



Blended

Variety of learning methodologies used for learners to achieve applied competence

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.

Rules regarding Fundamental, Core and Electives:

- All fundamental units standards to the value of 36 credits must be completed.
- All core unit standards to the value of 51 credits must be completed.
- Learners must complete unit standards to the value specialisation, of at least 33 credits from the specialisation, sector or general elective unit standards.

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.

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.

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

RESOURCE REQUIREMENTS

- First Aid kit
- Welding Machine
- Spray painting equipment
- Hand tools

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 with CAT requirements will need to complete all Clusters in full.

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

Recognition of Prior Learning: RPL is not available for this qualification.

For more information on how your organisation can benefit, contact Training Force:



ENGINEERING

Cluster 1 - Safety in a Production Environment

Outcome	SAQA ID	Name of Unit Standard	Credits
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	120379	Work as a project team member.	8

Recommended training days for Cluster 1 is 5 days.

Cluster 2 - First Line and quality maintenance

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	13234	Apply quality procedures.	8
Core	9913	Perform first line maintenance.	14

Recommended training days for Cluster 2 is 4 days.

Cluster 3 - Communication Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	119472	Accommodate audience and context needs in oral/signed communication.	5
Fundamental	119466	Interpret a variety of literary texts.	5
Fundamental	119457	Interpret and use information from texts.	5
Fundamental	119467	Use language and communication in occupational learning programmes.	5

Recommended training days for Cluster 3 is 3 days.



ENGINEERING

Cluster 4 - Mathematic Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

Outcome	SAQA ID	Name of Unit Standard	Credits
Fundamental	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues.	5
Fundamental	9012	Investigate life and work-related problems using data and probabilities.	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

Recommended training days for Cluster 4 is 3 days.

Cluster 5 - Health, Safety and Diversity

Outcome	SAQA ID	Name of Unit Standard	Credits
Elective	12455	Perform the role of a safety, health and environmental protection representative.	4
Elective	116720	Show understanding of diversity in the workplace.	3
Elective	12483	Perform basic first aid.	4

Recommended training days for Cluster 5 is 2 days.

Cluster 6 - Manage time in warehouse manufacturing and inventory assembly

Outcome	SAQA ID	Name of Unit Standard	Credits
Elective	9530	Manage work time effectively.	3
Elective	116280	Demonstrate understanding of warehouse manufacturing and inventory assembly.	20

Recommended training days for Cluster 6 is 4 days.