



# NATIONAL CERTIFICATE: PRODUCTION TECHNOLOGY

## NQF



2

## SAQA



58781

## TRAINING DAYS



28

## DURATION



12 months

## CREDITS



125

## 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 69 credits must be completed.
- Learners must complete unit standards to the value of at least 20 credits from the specialisation, sector or general elective unit standards.

## ENTRY CRITERIA

- Communication at NQF Level 1.
- Mathematical Literacy at NQF Level 1.

## SKILLS OUTCOMES

- 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.

## MARKET INFORMATION

**Target Market:** Production Assistant • Production Controller • Production Supervisor • Plant Controller • Administration Clerk • Operations Co-ordinator • Stock Controllers • Receiving Staff  
**Target Industries:** Manufacturing • Engineering

## RESOURCE REQUIREMENTS

- Hand and measuring tools
- First aid equipment

## GENERAL INFORMATION

<p>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.</p>	<p>FISA Requirements: Final Integrated Summative Assessment is a requirement for the successful completion of this learnership.</p>	<p>Recognition of Prior Learning: RPL is not available for this qualification.</p>
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For more information on how your organisation can benefit, contact Training Force:

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# ENGINEERING

## Cluster 1 Part 1 - Orientation to the Production Environment

Outcome	SAQA ID	Name of Unit Standard	Credits
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

Recommended training days for Cluster 1 part 1 is 2 days.

## Cluster 1 Part 2 - Communication Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

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

Recommended training days for Cluster 1 Part 2 is 2 days.

## Cluster 2 Part 1 - Apply quality standards and procedures in production activities

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	13162	Identify and describe inputs, outputs, stages and quality indicators of the manufacturing, assembly or engineering process.	10
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

Recommended training days for Cluster 2 Part 1 is 6 days.

## Cluster 2 Part 2 - Communication - Credit Accumulation Transfer is applicable to the unit standards below:

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

Recommended training days for Cluster 2 Part 2 is 2 days.



# ENGINEERING

## Cluster 3 Part 1 - Operate in a production environment

Outcome	SAQA ID	Name of Unit Standard	Credits
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

Recommended training days for Cluster 3 part 1 is 6 days.

## Cluster 3 Part 2 - Mathematical Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

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

Recommended training days for Cluster 3 Part 2 is 1 day.

## Cluster 4 Part 1 - Compliance and Calculations in a production environment

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	12456	Explain and use organisational procedures.	6
Core	13167	Identify potential hazards and critical safety issues in the workplace.	2

Recommended training days for Cluster 4 Part 1 is 2 days.

## Cluster 4 Part 2 - Mathematical Literacy - Credit Accumulation Transfer is applicable to the unit standards below:

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

Recommended training days for Cluster 4 Part 2 is 2 days.



# ENGINEERING

## Cluster 5 Part 1 - Housekeeping and Safety

Outcome	SAQA ID	Name of Unit Standard	Credits
Core	9964	Apply health and safety to a work area.	3
Core	12463	Understand and deal with HIV/AIDS.	3
Elective	12483	Perform basic first aid.	4

Recommended training days for Cluster 5 part 1 is 2 days.

## Cluster 5 Part 2 - Housekeeping and Safety - Credit Accumulation Transfer is applicable to the unit standards below:

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

Recommended training days for Cluster 5 part 2 is 3 days..