

National Certificate: Production Technology

SAQA QUAL ID		QUALIFICATION TITLE	
58785		National Certificate: Production Technology	
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY		NQF SUB-FRAMEWORK	
MERSETA - Manufacturing, Engineering and Related Services Education and Training Authority		OQSF - Occupational Qualifications Sub-framework	
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	Field 06 - Manufacturing, Engineering and Technology	Manufacturing and Assembly	
MINIMUM CREDITS	PRE-2009 NQF LEVEL	NQF LEVEL	
120	Level 3	NQF Level 03	
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT	
2024-06-30		2027-06-30	

PURPOSE

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. This qualification is the second qualification in a pathway of three (3) qualifications for learners in the production technology environment. Successful learners will contribute and function in areas such as production planning and control, systems and maintenance, quality and occupational health and safety.

The qualifications available in production technology are either provider-based qualifications or national qualifications at NQF Level 5. There are no lower level qualifications that allow a learner access into this specific discipline. Qualifying learner will also gain access to further learning as a supervisor or in a managerial position within this specific production environment; and lastly, therefore have a learning pathway to access higher education programmes in this discipline.

WHO SHOULD APPLY?

Individuals who have an interest to further their career in production technology.

LEARNING ASSUMED TO BE IN PLACE:

Assumptions:

- Communications and Mathematical Literacy at NQF Level 2.
- Learner can contribute to achieving production specifications through optimising organisational structures, functions and processes NQF Level 2.
- Demonstration and understanding of production technology practices, terminology systems as applied in manufacturing, engineering and technology at NQF Level 2
- Contribution to efficient and effective production by applying quality standards and procedures NQF Level 2.

RECOGNITION TO PRIOR LEARNING:

- The Qualification may be obtained in whole or in part through the process of Recognition of Prior Learning. Learners who may meet the requirements of any Unit Standard in this Qualification may apply for recognition of prior learning to the
- Relevant ETQA, and will be assessed against the assessment criteria of the exit level outcomes of this qualification and specific outcomes for the relevant Unit Standard.
- Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution, which is accredited by the relevant ETQA.

ACCESS TO PRIOR LEARNING:

- Open access. The severity of a disability may cause a learner difficulty in the completion of this qualification in a specific context.

QUALIFICATION RULES:

- All fundamental unit 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.

EXIT LEVEL OUTCOMES:

- Perform production maintenance activities and report irregularities within organisational structures.
- Apply the fundamental concepts, theories and techniques of production systems.
Range: Include, but not limited to, Just in Time (JIT), cycle times, process flow, division of labour, lead times, transport systems, supply chain, value chain, Total Quality Management (TQM), process control, inventory control, batch sizes, capacity, productivity, lean manufacturing, waste management.
- 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.