



Purpose and rationale

This qualification contributes to the industries in manufacturing and related fields, which will allow learners who achieve the qualification to contribute and function in areas such as production processes, systems and maintenance, quality and occupational health and safety. Learners who will typically embark on this qualification are individuals who have an interest in a career in production technology.

This qualification is the first qualification in a pathway of three (3) qualifications for learners in the production technology environment.

Learning assumed to be in place

Communication and Mathematical Literacy at NQF Level 1, or equivalent.

Modules covered

1 – Communication

- Maintain and adapt oral/signed communication (SAQA 119454)
- Write/present for a defined context (SAQA 119456)
- Use language and communication in learning programmes (SAQA 119460)
- Access and use information from texts (SAQA 119463)

2 – Applied Numeracy

- Use mathematics to investigate and monitor the financial aspects of personal and community life (SAQA 7469)
- Demonstrate understanding of rational and irrational numbers and number systems (SAQA 7480)
- Work with a range of patterns and functions and solve problems (SAQA 9007)
- Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems (SAQA 9009)
- Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts (SAQA 12444)

3 – Orientation: Work Environment

- Orientate self in the workplace (SAQA 12036)
- Identify and describe inputs, outputs, stage indicators of the manufacturing, assembly or engineering process (SAQA 13162)
- Explain and use organisational procedures (SAQA 12456)
- Frame and implement an individual action plan to improve productivity within an organisational unit (SAQA 14445)

4 – Production Processes

- Count stock for a stock-take (SAQA 114891)
- Perform routine maintenance (SAQA 13221)
- Supply raw and processed material to production line (SAQA 12667)
- Operate a production process (SAQA 244338)
- Use and care for tools and equipment (SAQA 9879)
- Monitor the quality of the input materials and the manufactured plastic product (SAQA 119139)

5 – Housekeeping and Safety

- Keep the work area safe and productive (SAQA 13220)
- Identify potential hazards and critical safety issues in the workplace (SAQA 13167)
- Apply health and safety to a work area (SAQA 9964)
- Understand and deal with HIV/AIDS (SAQA 12463)