



NC (GETC): MANUFACTURING, ENGINEERING AND RELATED ACTIVITIES NQF 1 (SAQA 23253)

127 CREDITS | QUALITY ASSURANCE FUNCTIONARY: MERSETA

Purpose and rationale

This qualification specifies the key skills, knowledge and values required to access engineering and manufacturing qualifications in the Further Education and Training band. It describes the learning outcomes required to participate in workplace-based learning programmes for occupationally focused qualifications in the manufacturing, engineering and assembly sectors. The duration of this programme is 1270 Notional hours of learning.

Learning assumed to be in place

Communication and numeracy competency at ABET level 3.

Modules covered

1 – Planning for the Future

- Describe and show how the NQF can help me to plan a learning and career pathway(SAQA 13171)
- Explore and use a variety of strategies to learn (SAQA 12471)
- Write for a variety of different purposes (SAQA 12470)*

2 – Functioning in the Work Environment

- Identify personal values and ethics in the workplace (SAQA 12537)
- Read, interpret and understand information on a payslip (SAQA 13157)
- Identify potential hazards and critical safety issues in the workplace (SAQA 13167)
- Identify and discuss inappropriate behaviours in the workplace (SAQA 13174)
- Read and respond to a range of text types (SAQA 12469)*
- Identify and respond to selected literary texts (SAQA 12473)*

3 – Business Functions

- Demonstrate an understanding of contracts and their sources (SAQA 13995)
- Demonstrate an understanding of the principles of supply and demand and the concept: production (SAQA 13998)
- Demonstrate and discuss basic issues relating to the nature of business, the stakeholders in a business and business profitability (SAQA 13176)
- Identify and describe inputs, outputs stages and quality indicators of a manufacturing, assembly or engineering process (SAQA 13162)
- Describe and discuss issues relating to HIV AIDS, TB and sexually transmitted illnesses and their impact on the workplace (SAQA 13169)
- Identify, discuss, describe, major economic systems with emphasis on the South African economy (SAQA 13996)
- Understand the employer the employer/employee relationship (SAQA 13172)
- Discuss development, utilization and management of human and natural resources (SAQA 10229)
- Critically analyse how mathematics is used in social, political and economic relations (SAQA 7449)*

4 – Work Outputs and Processes

- Care for, select and use hand and measuring tools (SAQA 13159)
- Describe the properties of materials found in the workplace and describe their impact on the environment (SAQA 13165)
- Apply basic concepts and principles in the natural Sciences (SAQA 13165)
- Assess the impact of scientific innovation on quality of life (SAQA 7509)
- Conduct an investigation in the natural science (SAQA 7508)
- Demonstrate an understanding of the concept of Science (SAQA 7507)
- Show, explain, discuss and analyse the relationship between society and natural environment (SAQA 7489)
- Analyse how scientific skills and knowledge contribute to sustainable use of resources (SAQA 7511)
- Engage in a range of speaking and listening interactions for a variety of purposes (SAQA 12462)*

5 – Numeric Ability

- Use maps to access and communicate information concerning routes locations and direction (SAQA 7461)
- Work with patterns in various contexts (SAQA 7448)
- Work with measurement in a variety of concepts (SAQA 7450)
- Work with numbers in various contexts (SAQA 7447)
- Describe, represent and interpret mathematical models in different contexts (SAQA 7452)
- Describe and represent object and the environment in terms of shape, space, time and motion (SAQA 7463)
- Collect, analyse, use and communicate numerical data (SAQA 7451)

** Fundamentals for learners to self-study using research guides*