



THE
LEARNING
DEVELOPMENT
GROUP

Introduction

The NC (GETC): Manufacturing, Engineering and Related Activities is an entry-level occupational programme for individuals with no formal qualification, working in manufacturing, production, assembly, engineering and related sectors.

It covers topics such as the processes, tools, materials, science and technology used in these sectors, communication and numeracy, policies and procedures in work environments, the purpose of a business and the learning paths to other NQF qualifications.

It offers access to an Adult Basic Education and Training (ABET) type programme that can be used for further learning at NQF level 2.

Target Audience

The qualification has been designed to allow learners to gain access to formal learning opportunities and is aimed at individuals already working in, or wanting to work in manufacturing, production, assembly and engineering.

The programme forms the foundation for a wide range of occupational and work-place based qualifications.

Entry Requirements

- Competency in Communication (English) at ABET Level 3.
- Competency In Numeracy at ABET Level 3.

Workplace Requirements

- Access to appropriate workplace environments.
- Active support by a mentor or supervisor.

Manufacturing & Production

NC: Manufacturing, Engineering & Related Activities

MERSETA Certification

SAQA ID: 23253

NQF Level: 1

Credits: 125

Course Delivery & Assessment

We use in-classroom and in-workplace practical training, workplace observation and on-the-job coaching and mentoring to embed skills.

You will need to:

- Attend all lectures and sessions and complete practical workplace experiential learning.
- Demonstrate theoretical and practical understanding of programme content.
- Participate in and contribute in group activities.
- Compile and submit a Portfolio of Evidence (PoE).

To receive the NC: (GETC): Manufacturing, Engineering and Related Activities you will need to compile, submit and be found competent by constituent Assessors, Moderators and Verifiers on a Portfolio of Evidence (PoE).

Learning Outcomes

By the end of the qualification, you will be able to:

- Describe and explain specific manufacturing, engineering or assembly processes, relate the tools and materials to the process and explain the science and technology which underpin it.
- Demonstrate the use of appropriate numeracy and communication skills.
- Describe and explain the procedures and policies which govern specific working environments.
- Describe and explain the purpose of a specific business.
- Describe and explain how the NQF enables selecting a learning path.
- Identify the skills and qualifications that will enable you to achieve your goals and targets.



Course Content

NC: Manufacturing, Engineering and Related Activities Accreditation Body: MERSETA

SAQA ID: 23253 | Learning Programme ID: NA
NQF Level: 1 | Credits : 125

Core Modules

- Care for, select and use hand and measuring tools
- Demonstrate an understanding of contracts and their sources
- Demonstrate an understanding of the principles of supply and demand, and the concept: production
- Describe and discuss basic issues relating to the nature of business, the stakeholders in a business and business profitability
- Describe and discuss issues relating to HIV-AIDS, TB and sexually transmitted illnesses and their impact on the workplace
- Describe and show how the NQF can help me to plan a learning and career pathway
- Describe the properties of materials found in the workplace and describe their impact on the environment
- Identify and describe inputs, outputs, stages and quality indicators of the manufacturing, assembly or engineering process
- Identify and discuss inappropriate behaviours in the workplace
- Identify personal values and ethics in the workplace
- Identify potential hazards and critical safety issues in the workplace
- Identify, discuss, describe and compare major economic systems, with emphasis on the South African economy
- Understand the employer/employee relationship

Fundamental Modules

- Apply basic concepts and principles in the natural sciences
- Assess the impact of scientific innovation on quality of life
- Collect, analyse, use and communicate numerical data
- Conduct an investigation in the natural science
- Critically analyse how mathematics is used in social, political and economic relations
- Demonstrate an understanding of the concept of science
- Describe and represent objects and the environment in terms of shape, space, time and motion
- Discuss development, utilisation and management of human and natural resources
- Engage in a range of speaking and listening interactions for a variety of purposes
- Explore and use a variety of strategies to learn (revised)
- Identify and respond to selected literary texts
- Read and respond to a range of text types
- Read, interpret and understand information on a payslip
- Show, explain, discuss and analyse the relationship between society and natural environment
- Use maps to access and communicate information concerning routes, location and direction
- Work with measurement in a variety of contexts
- Work with patterns in various contexts
- Working with numbers in various contexts
- Write for a variety of different purposes

Elective Modules

- Analyse how scientific skills and knowledge contribute to sustainable use of resources
- Develop and use keyboard skills to enter text



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