



# Basic Shielded Metal Arc Welding (SMAW) NQF Level 2



15 Day Period



Classroom or  
Blended Learning



**merSETA**  
MANUFACTURING, ENGINEERING  
AND RELATED SERVICES SETA

The Qualification Certificates are issued by MerSETA



Construction

Developing Businesses, People and  
Communities through **High-Impact Solutions**



### About this Skills Programme

**SAQA Qualification ID:**

SP 0865/13-17

**Minimum Credits:**

27

**NQF Level:**

2

**Duration:**

This Qualification is run over 15 days

### Type of course

A credit bearing merSETA registered skills programme offered on a full-time basis over 15 days.

### Purpose of the course

The course is suitable for people in the electrical engineering, automotive, and manufacturing trades, in order to achieve relevant skills where joining of materials is required, by using shielded metal-arc (stick) welding. Upon successfully completing the course, learners will be able to solve the most common welding tasks within a metal work environment in order to improve productivity and quality within the workplace.

### Course outline

The structure of the course focuses on the skills and knowledge required to service, maintain, repair or manufacture a product by using relevant basic welding techniques as well as hand skills for shielded metal-arc (stick) processes, in all positions, using jigs.

### Entry requirements

NQF Level 1 qualification or ABET Level 4

## Course Programme

Unit Standard	Title	NQF Level	Credits
243055	Prepare and secure work pieces for welding (includes the use of manipulators)	2	8
243056	Weld carbon steel work pieces using the shielded metal-arc welding process in all positions	2	16
243061	Assemble work pieces in jigs (minor amendments include the use of manipulators)	2	3

## Upon successful completion of the course, the learner will be proficient in the following areas:

- Selecting, setting up and conducting pre-operational checks of shielded metal-arc welding equipment.
- Understanding the shielded metal-arc welding process.
- Welding work pieces.
- Inspecting welded work pieces for defects in compliance with the drawing specifications.
- Caring for and storing welding consumables and equipment.

## Assessment method

To monitor the progress and effectiveness of the learning throughout the training, continuous assessments (formative) are carried out by way of written tests and practical assignments.

### ACCREDITATION AND B-BBEE



CBM Training holds full institutional accreditation status with the Services SETA – accreditation number 0057.



CBM Training has a B-BBEE Level 2 certificate. We have been evaluated and audited by the BEE Verification Agency.

### GET IN TOUCH



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