

Qualification Information:		Qualification Title	Related Occupational Qualification Curriculum	NQF Level		Credits
Curriculum Code:		Skills Programme: Coded Shielded Metal Arc Fillet Welder	651202000: Welder.	02		40
Knowledge Component			Notional Hours	Implementation Schedule (8 Hourly)	Assessment Schedule	Training Venues
651202-000-00-SP01-KM-01	Introduction to the welding trade, NQF level 2, Cr 2.		20 Hours	3 days	1 day	Main Campus
651202-000-00-SP01-KM-02	Occupational safety, health and environmental protection, NQF level 2, Cr 4.		40 Hours	5 days	1 day	Main Campus
651202-000-00-SP01-KM-03	Welding schematics, calculations, welds and welded joints, NQF level 2 Cr 2.		20 Hours	3 days	1 day	Main Campus
6651202-000-00-SP01-KM-04	Weld imperfections, NQF level 2, Cr 2.		20 Hours	3 days	1 day	Main Campus
651202-000-00-SP01-KM-08	Fusion welding, NQF level 3, Cr 1.		10 Hours	1 day	1 day	Main Campus
651202-000-00-SP01-KM-09	Arc welding, NQF level 3, Cr 1.		10 Hours	1 day	1 day	Main Campus
Practical Component				(8- Hourly Training sessions)		
651202000-00-SP01-PM-03	Perform fillet welds using shielded metal arc welded processes NQF level 3, Cr 12.		120 Hours	20 Days	1 day	Welding Workshop
651202-000-00-SP01-WM-02-01	Produce a range of fillet welds using Shielded Metal Arc Welding processes with carbon steel and stainless steel materials in the flat, horizontal, vertical and overhead (FHVO) positions, NQF level 4, Cr 16.		160 Hours	25 Days	1 day	Welding Workshop

General Information

Skills Programme Rationale

The purpose of this skills programme is to prepare a learner to operate as a Shielded Metal Arc Fillet Welder. A Shielded Metal Arc Fillet Welder produces a range of fillet welds using Shielded Metal Arc Welding processes with carbon steel and stainless-steel materials in the flat, horizontal, vertical and overhead (FHVO) positions. This individual will be able to weld any kind of fillet welds within various kinds of production environments and will be in a position to weld gates, burglar bars and various types of fillet welds required in a factory or a production environment.

Purpose

The purpose of the skills programme is to prepare candidates to operate small business.

Learners who acquire this skills programme will be able to: Start, manage, grow and sustain a small business.

Minimum entry requirements

NQF Level 1.

Skills Programme Tasks

- Fillet weld using the Shielded Metal Arc Welding process on carbon steel and stainless steel materials in the flat, horizontal, vertical and overhead (FHVO) position

2. Skills Programme Task Details

2.2 Fillet weld metal pieces using Shielded Metal Arc Welding processes with carbon steel and stainless-steel materials in the flat, horizontal, vertical and overhead (FHVO) position

Skills Programme Responsibilities:

- Produce single pass fillet weld using the Shielded Metal Arc Welding process with carbon steel and stainless steel materials in the flat position
- Perform a multi pass fillet weld using the Shielded Metal Arc Welding process with carbon steel and stainless steel materials in the flat position

Course Requirements:

- Study Material / Log Book / PPE

Possible Learning Pathway

The Welding qualification comprises three (3) part qualifications and nine (9) skills programmes. Having completed skills programme in FW001_Shielded Metal Arc Welding (SMAW) and individual may progress to learning in the any of the desired welding skills programmes as listed below

1. Fillet Welder

1. FW001_Shielded Metal Arc Welding (SMAW)
2. FW002_Gas Tungsten Arc Welding (GTAW)
3. FW003_Gas Metal Arc Welding [MIG & MAG], Including Flux Cored Arc Welding (FCAW)

2. Plate/Butt Welder

1. PBW001_Shielded Metal Arc Welding (SMAW)
2. PBW002_Gas Metal Arc Welding [MIG & MAG], Including Flux Cored Arc Welding (FCAW)
3. PBW003_Gas Tungsten Arc Welding GTAW)

3. Pipe Welder

1. PW001_Shielded Metal Arc Welding (SMAW)
2. PW002_Gas Metal Arc Welding [MIG & MAG], Including Flux Cored Arc Welding (FCAW)
3. PW003_Gas Tungsten Arc Welding (GTAW)

SAQA ID: 91400; Occupational Certificate: Welder; NQF Level 4; Credits 372.

Fees

- Registration Fees: **R1000**
- Deposit fees:**R3000**
- Total Fees: : **R20,500**

Duration: 61 Days

Skills Programmes

There is no **EISA** for skills programmes. Instead, the skills programme document gives the specifications for a **Final Integrated Supervised Assessment (FISA)** instrument that learners will need to complete. The SDP is responsible for setting and moderating the **FISA**.

The SDP needs to submit skills programme results to the QCTO within 21 days.

The assessment and moderation process must still be quality assured by the QCTO before the learners can be certificated. The Assessment team samples learners and looks at the tool and moderation reports.

FISA

A decentralised **Final Supervised Assessment** takes place for historically registered qualifications (in addition to the current PoE practice), as well as for **QCTO** Skills Programmes

CERTIFICATION

SDPs are not allowed to print their own certificates for occupational qualifications. Certificates are issued by the QCTO's secure CVS certification system.