



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 2

IN

METAL WORKS

National Certificate Level 2 in Metal Works

1. Level: 2
2. Total Credits: 60
3. Review Date: November 2027
4. Access to qualification

4.1 Entry Information

Read up to Certificate of Primary Education (CPE)/ Primary School Achievement Certificate (PSAC)

or

An alternative qualification at Level 1 of the NQF

4.2 Recognition of Prior Learning [RPL]

Applicant holding at least 3 years' experience in the field should apply for RPL on the prescribed Application Form.

4.3 Award of Qualification Requirements

Unit No.	Unit Standard Title	Level	Credit
Safe Work Practices			
1	Demonstrate knowledge of safe working practices	2	1
2	Provide first aid	2	2
Engineering Workshop Skills			
3	Demonstrate workshop skills	2	3
4	Measure linear and angular dimensions	2	2
5	Mark out workpieces	2	2
6	Hold workpieces	2	2
Cutting Process			
7	Cut metal pieces using a hacksaw	2	2
8	Select and use different types of files	2	3
9	Perform tapping operations	2	2
10	Perform threading operations	2	2

Drilling Process			
11	Operate a bench drilling machine	2	2
12	Drill holes using twist drills on bench drilling machine	2	2
Joining Method			
13	Assemble parts using common types of fasteners	2	2
14	Rivet a joint	2	3
Bending Process			
15	Perform cold bending operations on sheet metal and steel bars	2	3
Soldering Process			
16	Solder thin metal sheets	2	3
Heat Treatment			
17	Compare common metals used in metal working	2	4
Associated Studies			
18	Demonstrate mathematical skills and knowledge	2	4
19	Demonstrate drawing skills	2	4
20	Demonstrate effective communications skills	2	8
21	Demonstrate good work ethics	2	1
22	Demonstrate knowledge of sustainable development	2	1
23	Demonstrate understanding and use of information technology	2	2
Total Credits			60

5. Purpose

The objectives of this training programme are to provide trainees with: -

- Overall understanding of various terms used in the trade.
- Basic understanding of the principles and processes involved in basic workshop practices.
- Basic knowledge of the materials, tools and machines used in the trade.
- Basic knowledge and skills in performing cutting operations
- Basic knowledge and skills in performing drilling operations
- Basic knowledge and skills in performing bending operations
- Basic knowledge and skills in joining using different methods