



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 3

IN

WELDING

National Certificate Level 3 in Welding

1. **Level of qualification:** 3
2. **Total Credits:** 112
3. **Review date:** October 2025
4. **Access to qualification**

4.1 Entry information

National Certificate of Education (NCE)/ 9th Grade of the Nine Year Continuous Basic Education (NYCBE)

or

An alternative qualification at Level 2 of the NQF

4.2 Recognition of Prior Learning (RPL)

Potential candidates holding at least 3 years of working experience in the relevant field may access this qualification through Recognition of Prior Learning (RPL) process.

4.3 Award of qualification requirements

Unit No.	Unit Standard Title	Level	Credit
Safe work practices			
1	Demonstrate knowledge of safe working practices on construction sites	3	3
2	Demonstrate and apply knowledge of safe welding procedures under supervision	3	3
Engineering workshop skills and assembly			
3	Demonstrate workshop skills for mechanical engineering	3	7
4	Assemble work pieces in jigs	3	3
Manual Metal Arc Welding (MMAW)			
5	Weld steel structures with the manual metal arc welding process in down hand positions	3	6

Gas Metal Arc Welding (GMAW)			
6	Join two mild steel plates using GMAW	3	7
Cutting process			
7	Cut fabrication materials using oxy-acetylene gas	3	7
8	Cut fabrication materials using powered machinery	3	6
Resistance welding			
9	Join metals with the resistance welding process	3	5
Oxy-Acetylene Welding (OAW)			
10	Join metals with the oxy-acetylene welding process	3	6
11	Join metals using torch brazing and soldering	3	5
Gas Tungsten Arc Welding (GTAW)			
12	Fuse two pieces of mild steel sheet using GTAW	3	7
Forming and shaping			
13	Demonstrate and apply knowledge of forming shapes	3	7
Heat treatment			
14	Demonstrate and apply knowledge of different materials and their basic mechanical properties	3	7
Associated studies			
15	Demonstrate effective communications skills	3	8
16	Demonstrate mathematical skills and knowledge	3	4
17	Demonstrate technical drafting skills	3	8
18	Demonstrate good work ethics	3	1
19	Demonstrate knowledge of and apply safety and health measures	3	1

20	Demonstrate knowledge of entrepreneurship development	3	2
21	Demonstrate knowledge of sustainable development	3	1
22	Demonstrate understanding and use of information technology	3	4
23	Demonstrate knowledge and basic performance skills in two physical activities	3	4
Total Credits		112	

5. Purpose

This qualification is intended for people wishing to pursue a career in welding. People awarded with this qualification are able to carry out welding processes by using arc welding and gas welding.