



MAURITIUS QUALIFICATIONS AUTHORITY

MAURITIUS QUALIFICATIONS AUTHORITY

NATIONAL CERTIFICATE

LEVEL 4

IN

INDUSTRIAL MACHINE

MAINTENANCE

National Certificate Level 4 in Industrial Machine Maintenance

1. Level: 4
2. Total Credits: 110
3. Review Date: December 2027
4. Access to qualification

4.1 Entry Information

National Certificate Level 3 in Industrial Machine Maintenance

or

An alternative qualification at Level 3 of the NQF

4.2 Recognition of Prior Learning [RPL]

Potential candidates holding a qualification at NQF Level 3 and 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
Fundamentals of Electronics			
1	Assemble electronic components in circuit	4	9
2	Test electronic circuit	4	6
Plant Technology 1			
3	Demonstrate understanding of the principle of machine foundation	4	6
4	Maintain heavy industrial equipment	4	9
Instrumentation and Control			
5	Demonstrate understanding of the function of micro computer	4	3
6	Demonstrate understanding of sensors and transducers	4	3
Plant Technology 2			
7	Maintain power fluid systems	4	9
8	Maintain air conditioning systems	4	11
Digital Electronics			

9	Assemble and operate digital circuits	4	8
10	Connect and mount electronic circuits	4	3
Engineering Science			
11	Demonstrate knowledge of engineering fundamentals	4	6
12	Demonstrate knowledge of material science	4	3
Associated Studies			
13	Demonstrate effective communications skills	4	8
14	Demonstrate mathematical skills and knowledge	4	4
15	Demonstrate technical drafting skills	4	8
16	Demonstrate good work ethics	4	1
17	Demonstrate knowledge of and apply safety and health measures	4	1
18	Demonstrate knowledge of entrepreneurship development	4	2
19	Demonstrate knowledge of green technology and sustainable development	4	1
20	Demonstrate understanding and use of information technology	4	4
21	Demonstrate knowledge citizenship education	4	1
22	Demonstrate knowledge of physical education	4	4
Total Credits			110

5. This purpose of the qualification prepares trainees for the National Certificate Level 4 in Industrial Machine Maintenance, whereby successful trainees shall acquire knowledge and skills to operate as skilled maintenance technician for the industry.