



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 5

IN

INDUSTRIAL ELECTRONICS

National Certificate Level 5 in Industrial Electronics

1. Level: 5
2. Total Credits: 143
3. Review Date: February 2026
4. Access to qualification

4.1 Entry Information

National Certificate Level 4 in Industrial Electronics or in Communications Electronics or in Electrical Installation Works
or
An alternative qualification at Level 4 of the NQF

4.2 Recognition of Prior Learning [RPL]

Potential candidates holding a qualification at NQF Level 3 and at least 3 years' experience in the 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
1	Demonstrate knowledge of single and 3 Phase Motors	5	5
2	Demonstrate knowledge of Alternating Current (A.C.) electric motor control and installation	5	6
3	Demonstrate and apply knowledge of power electronics technology engineering	5	8
4	Overhaul Direct Current (D.C.) rotating machines and control equipment	5	6
5	Overhaul A.C. rotating machines and control equipment	5	8
6	Find faults, repair, and test electric motors	5	6
7	Diagnose and repair a faulty microprocessor or microcontroller system	5	6
8	Demonstrate knowledge of electronic variable speed drives	5	3
9	Use first and second order differential equations to solve problems	5	2
10	Solve problems using further methods of integration	5	3
11	Select protective and switching devices	5	3
12	Demonstrate knowledge of flow measurement systems used in Industry	5	5
13	Demonstrate knowledge of industrial process control	5	5

14	Demonstrate knowledge of programmable logic controllers	5	8
15	Maintain pressure measurement devices	5	6
16	Demonstrate knowledge of level measurement systems used in Industry	5	4
17	Maintain level measurement devices used in Industry	5	6
18	Maintain temperature measurement devices used in Industry	5	6
19	Demonstrate knowledge of pressure measurement systems used in Industry	5	4
20	Maintain flow measurement devices used in Industry	5	4
21	Maintain control valve actuators and positioners	5	4
22	Install and service pneumatic or electro-pneumatic equipment	5	3
23	Tune or adjust a plant control loop	5	2
General Skills			
24	Demonstrate effective communication skills	5	8
25	Lead a group/team to achieve an objective(s)	5	4
26	Apply entrepreneurial skills	5	3
27	Demonstrate knowledge of information technology	5	3
28	Demonstrate knowledge of green technology	5	1
29	Practice different types of sports	5	6
30	Develop citizenship qualities	5	1
31	Demonstrate good work ethics	5	1
32	Demonstrate knowledge of project and time management	5	3
Total Credits			143

5. Purpose

This qualification is intended for people wishing to pursue a career in the field of Industrial Electronics. People awarded with this qualification would have demonstrated a wide-range of technical and/or management skills required to work in the industry as well as the qualities and transferable skills necessary in situations requiring the exercise of some personal responsibility.