



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 5

IN

COMMUNICATIONS ELECTRONICS

National Certificate Level 5 in Communications Electronics

1. **Level of qualification:** 5
2. **Total Credits:** 146
3. **Review date:** February 2024
4. **Access to qualification**

4.1 Entry information

National Certificate Level 4 in Industrial Electronics

or

National Certificate Level 4 in Communications Electronics

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 and apply knowledge of electronic filters, oscillators, and frequency synthesisers	5	4
2	Demonstrate and apply knowledge of switching power supplies	5	3
3	Demonstrate and apply knowledge of radio communications	5	8
4	Install and maintain radio communication systems	5	8
5	Test and repair faulty radio transmitter equipment	5	6
6	Test and repair faulty radio receiver equipment	5	6
7	Diagnose and repair a faulty microprocessor or microcontroller system	5	4
8	Demonstrate and apply knowledge of personal computer engineering	5	5
9	Use methods of multivariate calculus to solve problems involving functions of up to three variables	5	3
10	Solve problems using further methods of integration	5	3
11	Use first and second order differential equations to solve problems	5	3
12	Create and maintain positive workplace relationships	5	7

13	Test, verify, repair and secure electronic telecommunication system equipment and operation	5	10
14	Install and maintain telecommunication switching systems	5	10
15	Install and maintain Information and Communication (ICT) Systems and Networks	5	10
16	Install and maintain telecommunication cabling systems	5	10
17	Demonstrate knowledge of electronic security systems and equipment functions	5	8
18	Design electronic security access control systems	5	8
General Skills			
19	Demonstrate effective communication skills	5	8
20	Lead a group/team to achieve an objective	5	4
21	Apply entrepreneurial skills	5	3
22	Demonstrate knowledge of information technology	5	3
23	Demonstrate knowledge of green technology	5	1
24	Practice different types of sports	5	6
25	Develop citizenship qualities	5	1
26	Demonstrate good work ethics	5	1
27	Demonstrate knowledge of project and time management	5	3
Total Credits			146

5. Purpose

This qualification is intended for people wishing to pursue a career in the field of Communications 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.