



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 4

IN

COMMUNICATIONS ELECTRONICS

National Certificate Level 4 in Communications Electronics

1. Level of qualification: 4
2. Total Credits: 142
3. Review date: February 2024
4. Access to qualification

4.1 Entry information

National Certificate Level 3 in Electrical Installations Work

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' 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 magnetism and electricity	4	3
2	Demonstrate knowledge of capacitors and semiconductor diodes	4	3
3	Demonstrate knowledge of Direct Current (D.C.) power supplies	4	3
4	Demonstrate knowledge of Alternating Current (A.C.) theory	4	4
5	Demonstrate and apply introductory knowledge of A.C. principles	4	3
6	Use electronic test equipment	4	3
7	Demonstrate knowledge of single-phase transformers	4	4
8	Demonstrate knowledge of earthing	4	1
9	Install earthing systems for multiple earthed neutral installations	4	4
10	Demonstrate and apply introductory knowledge of digital electronics	4	5
11	Demonstrate knowledge of safe working practices in the Industry	4	4
12	Draw and explain simple electrical diagrams	4	4
13	Draw and interpret diagrams of electrical/ electronic appliances	4	6
14	Demonstrate and apply advanced knowledge of D.C. principles	4	4

15	Demonstrate and apply advanced knowledge of A.C. principles	4	6
16	Maintain and enhance professional and technical knowledge in the Telecommunications Industry	4	4
17	Install, commission and maintain an Uninterruptible Power Supply (UPS) system	4	3
18	Demonstrate knowledge of semiconductor power devices	4	3
19	Demonstrate and apply advanced knowledge of digital principles	4	8
20	Demonstrate and apply advanced knowledge of analogue electronics	4	8
21	Demonstrate and apply knowledge of advanced electronic measurement	4	8
22	Demonstrate and apply introductory knowledge of electronic engineering	4	6
23	Implement repair procedures to computer telecommunications products and services	4	8
24	Demonstrate systematic and logical fault-finding techniques in electronic products or systems	4	8
General Skills			
25	Communicate information in a specified workplace	4	3
26	Demonstrate knowledge of mathematics	4	6
27	Process data using information technology	4	8
28	Demonstrate team building skills	4	4
29	Apply ethics pledge within his/her workplace	4	3
30	Demonstrate entrepreneurial competence	4	4
31	Demonstrate knowledge of green technology	5	1
Total Credits			142

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 the skills and knowledge required to work in the industry with little or no supervision.