



MAURITIUS QUALIFICATIONS AUTHORITY

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**NATIONAL CERTIFICATE**

**LEVEL 4**

**IN**

**INFORMATION TECHNOLOGY**

## **National Certificate Level 4 in Information Technology**

1. Level: 4
2. Total Credits: 122
3. Review Date: September 2026
4. Access to qualification

### **4.1 Entry Information**

Form V (Or GCE O Level) with passes in Maths and English and any other subject

Or

An alternative qualification at level 3 of the NQF.

### **4.2 Recognition of Prior Learning [RPL]**

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

### **4.4 Award of Qualification Requirements**

<b>Unit No.</b>	<b>Unit Standard Title</b>	<b>Level</b>	<b>Credits</b>
	<b>Communications</b>		
1	Demonstrate knowledge of communications theory	4	3
2	Apply oral presentation, interview and reading skills	4	6
3	Write reports	4	3
	<b>Mathematics</b>		
4	Demonstrate knowledge in Algebra	4	2
5	Interpret mathematical relationships and geometrical terms	4	4
6	Perform trigonometric calculations and probability	4	7
	<b>Digital Literacy</b>		
7	Demonstrate an understanding of digital literacy	4	2
8	Demonstrate of how to work with Ms Word, Spreadsheet and Powerpoint	4	11
9	Explain knowledge of the concept of modern digital experience	4	1
	<b>Computer Hardware and Support</b>		
10	Perform Computer Assembly and Disassembly, troubleshooting and installation of Operating System	4	7
11	Install printers and scanners	4	1

12	Demonstrate knowledge of technical and professional skill and responsibilities	4	1
13	Use networking knowledge to configure a small network	4	3
14	Perform configuration of laptops and mobile devices	4	1
15	Demonstrate knowledge on computer security, ethical and legal issues	4	3
<b>Multimedia Applications</b>			
16	Describe multimedia revolution and concept of digital data.	4	2
17	Demonstrate knowledge of animation.	4	5
18	Demonstrate knowledge of video production by integrating text, graphics and sound.	4	5
<b>Teamwork and Ethics</b>			
19	Describe teams and analyse the way teams work	4	8
20	Demonstrate knowledge of the dynamics of work ethics and analyze the code of ethics.	4	2
<b>Programming Algorithms</b>			
21	Demonstrate knowledge of algorithms, pseudocode, flowchart and constructs	4	8
22	Demonstrate knowledge in coding using scratch.	4	5
<b>Safety and Health</b>			
23	Demonstrate knowledge of the concept of a supportive working environment	4	4
24	Demonstrate knowledge of the different types of hazards that employees can face in their workplace and the relevant ICT and Health and Safety Law and Legislations	4	2
<b>Emerging Technologies</b>			
25	Demonstrate knowledge in computer architecture and operating systems	4	2
26	Demonstrate knowledge of the fundamentals of cloud computing	4	4
27	Explore the concepts of Internet of Things (IoT) and fundamentals of Artificial Intelligence	4	7
<b>Introduction to Database Concepts</b>			
28	Give an overview of the database approach	4	3
29	Design an entity relationship diagram	4	4
30	Demonstrate knowledge on data integrity and write SQL Queries	4	6
	<b>Total Credits</b>		<b>122</b>

**Purpose:**

The qualification is meant to equip learners with the knowledge and skills in the field of Information and Technology including Communications, Digital Literacy, Computer Hardware and Support, Multimedia applications, Teamwork and Ethics, Programming Algorithms, Safety and Health and Emerging Technologies.

The holder of the qualification is expected to operate in a variety of work contexts including Helpdesk Technician, IT Technical Support, Database Assistant, Multimedia Designer and Web Master.

**Qualification Pathway:**

Upon successful completion of the National Certificate Level 4 in Information Technology, learners can choose to enrol for the National Certificate Level 5 in Information Technology or an alternative qualification at NQF level 5 in the field.