



MAURITIUS QUALIFICATIONS AUTHORITY

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**NATIONAL CERTIFICATE**

**LEVEL 5**

**IN**

**INFORMATION TECHNOLOGY**

## **National Certificate Level 5 in Information Technology**

1. **Level:** 5
2. **Total Credits:** 130
3. **Review Date:** September 2026
4. **Access to qualification**

### **4.1 Entry Information**

School Certificate + 2 years working experience in the field

Or

National Certificate Level 4 in IT

Or

An alternative qualification at level 4 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>Credit</b>
<b>End User Support</b>			
1	Demonstrate the increased need of End User Support	5	4
2	Demonstrate the customer service skills for User Support Agents	5	4
3	Determine the Product Evaluation Strategies and Product Standards	5	1
<b>Web Authoring</b>			
4	Design web pages using HTML, CSS, tables, images	5	11
5	Create and Combine HTML Forms using Scripting Language	5	4
<b>Database Management Systems</b>			

6	Demonstrate an understanding of relational Database Management Systems	5	3
7	Demonstrate an understanding of ANSI-SPARC Architecture and its mappings	5	1
8	Design an Entity Relationship Diagram	5	3
9	Administer a Relationship Database Management Systems	5	5
10	Normalize Tables from UNF to 3NF	5	3
<b>Programming Skills</b>			
11	Demonstrate Understanding of the concepts of Algorithm design and problem-solving	5	5
12	Demonstrate an understanding of programming concepts	5	5
13	Apply knowledge of high-level programming concepts	5	5
<b>Personal Skills Development</b>			
14	Demonstrate knowledge of Personal Skills Development	5	3
15	Determine the importance of interpersonal skills in the communication process	5	3
16	Demonstrate how interpersonal skills have an impact on negotiation	5	2
17	Demonstrate understanding of the skills for high performance coaching	5	2
<b>Technical Mathematics</b>			
18	Demonstrate Knowledge in Algebra	5	2
19	Demonstrate Knowledge in Statistics	5	4
20	Demonstrate basic knowledge in Geometry, Trigonometry and Calculus	5	7
<b>Introduction to Networks</b>			
21	Explore Networking Components and Configure Intermediary Devices	5	7
22	Analyze network protocols and network communication that take place at the layers	5	1
23	Subnet Large Networks	5	4
24	Give an Overview of IPV6	5	2

<b>Cloud Computing and IoT</b>			
25	Demonstrate knowledge on the fundamentals of Cloud Computing and Virtualization	5	4
26	Explore the concepts of Internet of Things (IoT) and its related technical elements	5	9
27	Demonstrate how networks, fog and cloud computing are connected to IoT	5	1
<b>IT Project</b>			
28	Demonstrate understanding of Microsoft Office Advanced Concepts and Technique	5	2
29	Develop a project plan to an agreed specification	5	5
30	Implement a solution using applications software	5	18
<b>Total Credits</b>			<b>130</b>

**Purpose:**

The qualification is meant to equip learners with the knowledge and skills in the field of Information and Technology including Networking, Cloud Computing, Internet of Things (IoT), Web Authoring, Database Management and Programming.

The holder of the qualification is expected to operate in a variety of work contexts including Entry Level Network Technician, IT Technical Support, IT Programmer, Web Developer, Software Developer, Data Scraping Assistant and Database Administrator.

**Qualification Pathway:**

Upon successful completion of the National Certificate Level 5 in Information Technology, learners can choose to enrol for the National Diploma Level 6 in Information Technology or an alternative qualification at NQF Level 6 in the field.