



University of Mauritius

C-DAC School of Advanced Computing



## **CD 500 MSc Information Technology**

### **1. OBJECTIVES**

The MSc Information Technology programme (Part Time) is geared towards providing an opportunity to those with an ambition to excel in the ICT sector. It aims to:

- To critically explore the technological and conceptual foundations of Information Technology and its components like: Multimedia, Security, Communications, and Internet etc.
- To provide specialized and relevant depth & dimensions to the application of Information Technology in different realms.
- To develop quality manpower to cater to the needs of Industry, R&D Organizations and Educational Institutions in Mauritius and the Region.

### **2. GENERAL ENTRY REQUIREMENTS**

At least a Second Class Degree from a recognized University, GPA not less than 2.50, or alternative qualifications acceptable to the University of Mauritius.

**Mature Students** who are older in terms of age (>30) and do not have the General Entry Requirements for admission at University of Mauritius but have a minimum of ANY ONE of the following criteria may also be considered:

- A recognized undergraduate Diploma in relevant field or any other equivalent qualifications acceptable to the University plus at least 15 years' of relevant work experience.
- A third class or pass degree in relevant field plus at least 7 years' of relevant work experience.

### **3. PROGRAMME REQUIREMENTS**

A degree in Computer Science, Information Technology, Electrical Engineering, Electronics & Communication Engineering, Mathematics with Computing, Physics with Electronics, Business Informatics, Information Systems or any other Computer related field from a recognized University.

#### 4. PROGRAMME DURATION

<b>Programme</b>	<b>Normal</b>	<b>Maximum</b>
<b>MSc (Part Time)</b>	2 years	4 years

Different exit options of the programme are provided below:

<b>Programme</b>	<b>Core Modules</b>	<b>Elective Modules</b>	<b>Dissertation</b>	<b>Total</b>
<b>Postgraduate Diploma</b>	15 credits	9 credits	-	<b>24</b>
<b>MSc</b>	15 credits	9 credits	12 credits	<b>36</b>

#### 6. PROGRAMME STRUCTURE

The student has to complete 5 core, 3 elective modules and a dissertation to qualify for the award of MSc Information Technology by the University of Mauritius.

##### Core Modules

<i>Code</i>	<i>Modules</i>	<i>Hrs/Week (L+P)</i>	<i>Credits</i>
DAC 6101	Multimedia Computing	2+2	3
DAC 6102	Computer & Network Security	3+0	3
DAC 6103	Strategic Information System Planning	3+0	3
DAC 6201	Advanced Web Technologies	2+2	3
DAC 6202	Software Project Management	3+0	3
DAC 6000	Dissertation		12

##### Electives Modules

<i>Code</i>	<i>Modules</i>	<i>Hrs/Week (L+P)</i>	<i>Credits</i>
DAC 6001	Introduction to Bioinformatics	3+0	3
DAC 6002	Telemedicine and e-Health Systems	3+0	3
DAC 6003	Advanced Databases	2+2	3
DAC 6004	Systems Thinking & Qualitative Research Methods	3+0	3
DAC 6005	Information Systems Audit & Control	3+0	3

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#### **C-DAC School of Advanced Computing (C-SAC)**

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