



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

Programme	Normal	Maximum
MSc (Part Time)	2 years	4 years

Different exit options of the programme are provided below:

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

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

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

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