

MSC INTERNET TECHNOLOGY AND WEB DEVELOPMENT – E561

1. Introduction

Available in both full and part-time mode, the MSc Internet Technology and Web Development programme will provide graduates from IT and related fields with the necessary skills to master current and emerging Internet technologies and services, as well as to design and implement solutions. The course has been designed to meet the requirements of the state-of-the-art technologies and application development.

2. Aims and Objectives

The programme aims to prepare students, who will already have a technical background, with the requisite specialist knowledge and skills to develop and manage current systems and to adapt to the changing face of communications and Internet technology and subsequently consolidating this with a creative approach to the design, development and management of web based systems and applications.

3. General Entry Requirements

Successful completion of an undergraduate degree with at least a Second Class or 50%, whichever is applicable, or a GPA not less than 2.5 out of 4 or equivalent, from a recognised Higher Education Institution, or alternative qualifications acceptable to the University of Mauritius.

4. Programme Requirements

Any undergraduate degree in Computer Science or other related areas.

5. Programme Duration

The normal duration of the programme will be as detailed below.

	Full time (yrs)	Part Time (yrs)
Minimum	1	2
Maximum	2	4

However students wishing to exit earlier, with a Postgraduate Diploma, can do so subject to their meeting the requirements specified in item 6.

The programme will be run on a semester system, where an academic year consists of two semesters. A semester is of 15 weeks duration (excluding Exam Period).

6. Minimum Credits Required for Award of:

Master's Degree : 36
Postgraduate Diploma : 24

Breakdown as follows:

	Minimum Core Taught Modules	Dissertation	Electives Optional Modules
Master's Award	18 credits	12 credits	6 credits

7. Assessment

All modules are of 45 hours duration and carry equal weightage [i.e of 3 credits].

All modules will carry 100 marks and will be assessed as follows (unless otherwise specified).

- A written examination of 3 hours and
- Continuous assessment carrying a range of 30% to 40% of total marks. Continuous assessment may be based on laboratory works, and/or assignments and tests but should include at least 2 assignments/tests per semester per module.
- An overall total of 40% for combined continuous assessment and written examination components would be required to pass the module, without minimum thresholds within the individual continuous assessment and written examination.

Students are required to register for modules which they intend to follow in a given semester on date(s) specified by the Faculty.

Submission Deadlines for Project - as per university regulation:

	Full time	Part Time
Start	January – Level I	January – Level 2
Submission	Last working day of August –Post Level 1	Last working day of August – Post Level 2

8. List of Modules

Students will take six core modules and two electives

CORE MODULES

CSE 6086 - Web Systems Development

CSE 6082 - Computer and Network Security

CSE 6083 - E-Business Technology

CSE 6087 - Web Database Applications

CSE 6088 - Web Server Technology

CSE 6089 - Wireless Internet Technologies

CSE 6000 - Project

ELECTIVE MODULES

CSE 6090 - Network Programming (2L + 2P)

CSE 6091 - Semantic Web(2L + 2P)

CSE 6084 - Enterprise Networking (3L)

CSE 6093 - Scripting Language Programming(2L + 2P)

CSE 6094 - Internet Forensics(2L + 2P)

9. **Programme Plan – MSc Internet Technology and Web Development**

(Full time)

	Module Code	Module	Hrs/WK L + P
Semester I	CSE 6086	Web Systems Development	2+2
	CSE 6089	Wireless Internet Technologies	2+2
	CSE 6083	E-Business Technology	2+2
	CSE 6088	Web Server Technology	3+0
		Elective 1	2+2
Semester II	CSE 6082	Computer and Network Security	3+0
	CSE 6087	Web Database Applications	3+0
		Elective 2	2+2
	CSE 6000	Project	

(Part time)

	Module Code	Module	Hrs/WK L + P
Semester I	CSE 6086	Web systems development	2+2
	CSE 6089	Wireless Internet Technologies	2+2
	CSE 6083	E-Business Technology	2+2
Semester II	CSE 6082	Computer and Network Security	3+0
	CSE 6087	Web Database Applications	3+0
		Elective1	2+2
Semester III	CSE 6088	Web Server Technology	3+0
		Elective 2	2+2
Semester IV	CSE 6000	Project	

Note 1: An elective will be provided only if sufficient number of students have opted for it and depending on availability of resources.

Note 2: Some courses may be run during/after office hours depending on availability of resources.

February 2010