

MSc Chemistry – SC522

1. Specific Titles:

- (1) MSc Chemistry
- (2) Postgraduate Diploma in Chemistry

2. Objectives

The main objective of this programme is to cater for graduates who wish to have better career prospects and to enhance their knowledge in new spheres of chemistry. Students will also acquire new skills and techniques.

Students will be educated to a level that will enable them to have in-depth knowledge and to perform adequately in any area of chemistry. It is also expected that the candidates will be able to apply in practice the principles covered in the programme and demonstrate awareness in all the main areas of chemistry. Last but not least, students will enhance their opportunity for further studies.

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

BSc (Hons) Chemistry or BSc (Joint Hons) Degree with Chemistry as one of the subjects or equivalent qualifications acceptable to the University of Mauritius.

5. Programme Duration

The Programme is offered either on a full-time (F/T) and/or a part-time (P/T) basis. The duration of the Postgraduate Programme should normally not exceed 2 years (4 semesters) for F/T and 4 years (8 semesters) for P/T.

	Normal	Maximum
Master's Degree (F/T):	15 months	2 Years
Postgraduate Diploma (F/T):	1 Year	2 Years
Master's Degree (P/T):	2 Years	4 Years
Postgraduate Diploma (P/T):	2 Years	4 Years

6. Minimum Credits Required for Award

Master's Degree: 36
Postgraduate Diploma: 26

Breakdown as follows:

(i) MSc Chemistry: 36

Core modules: 20 credits

- + Project: 10 credits
- + Elective modules: 6 credits

(ii) Postgraduate Diploma in Chemistry: 26

- Core modules: 20 credits
- + Elective modules: 6 credits

8. Assessment

Each module will carry 100 marks and will be assessed as follows (unless otherwise specified):

Assessment will be based on a written examination of 3-hour duration and continuous assessment carrying a range of 10% to 30% of total marks. Continuous assessment may be based on laboratory works, and/or assignments and should include at least 1 class test.

An overall total of 40% for combined continuous assessment and written examination components would be required to pass a module, without minimum thresholds within the individual continuous assessment and written examination.

9. List of Modules

Code	Module Name	Hrs/Wk L+P	Credits
CORE			
CHEM 4000Y(5)	Research Project	-	10
CHEM 4011Y(5)	Advanced Organic Chemistry	60+30	5
CHEM 4021Y(5)	Advanced Physical Chemistry	60+30	5
CHEM 4031Y(5)	Advanced Inorganic Chemistry	60+30	5
CHEM 4041Y(5)	Advanced Analytical Chemistry	60+30	5
ELECTIVES			
CHEM 4064Y(5)	Marine Sciences	37.5+15	3
FRSC 3002Y(5)	Forensic Biology and DNA Profiling	37.5+15	3
CHEM 4066Y(5)	Food Science	37.5+15	3
CHEM 4067Y(5)	Chemical Modelling and Bioinformatics	37.5+15	3
CHEM 4068Y(5)	Advanced Polymer Science	37.5+15	3

and/or any new modules offered by the Department

NOTE: NOT ALL ELECTIVES MAY BE ON OFFER