

Programme Purpose & Objectives

The MSc Biomedical Research offers comprehensive research training to prepare for entry into PhD programmes or other research oriented careers in government, public sector, independent organizations or research centres. Students will have the option to complete the MSc or transfer to any of our PhD programme at the end of 5 semesters..

Programme Format

The format will include: lecturers, tutorials, practical sessions, seminars, video, and research project research component. The research component can be done on campus or through institutions that can facilitate the execution.

Entry Requirements

The minimal admission criteria for the MSc Biomedical Research:

Applicants must hold at least BSc degree, BMedSc degree in an appropriate discipline at least at the lower second degree. Applicants will apply for registration in the MSc Biomedical Research and declare the discipline of interest offered by the Department. A transcript and two referee supports will be required.

Applications will be reviewed internally and acceptance will be dependent on the identified needs of research supervisors. An interview process may be requested. Accepted applicants will be registered as MSc Biomedical Research and assigned to a Chief Supervisor. Two letters of recommendations from individuals who can attest to the candidate's character, and academic ability.

Programme Schedule (brackets contain credits)

Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
MSc Yr1	Understanding Research[6]										
	Laboratory Rotation [6]				Academic Writing [3]				Research _ Data Collec-tion		
	Reading for the Thesis [2]										
	Electives [10]										
MSc Yr2	Research_ Data Collection					Research_ Report Writeup [8]					
PhD Yr 2	Research_ Data Collection					Research_ Report Writeup with PhD proposal Oral Transfer Exam					

UNDERSTANDING RESEARCH

This course is designed to introduce new graduate students to the main elements of the research process. A goal of the course is to provide students with a variety of perspectives and practice in the conceptualization and design of research, data (statistical) analysis and interpretation, and the application of methodological techniques in the context of research in Basic Medical Sciences. The course will ground the students in concepts such as professional research ethics, reviewing literature, abstract writing and presentation of material. Biochemical calculations and chromatographic separation techniques are also included. a formal seminar. The protocol is expected to make a significant contribution to field of study.

READING FOR THE THESIS SEMINARS

This is a seminar series involving students participation in weekly oral presentation sessions as well as presentations from invited guests. Students will make presentations of paper review, and research project updates to provide students with adequate opportunities to develop skills in oral presentation and constructive critique of scientific data.

LABORATORY ROTATION

This course aims to ensure students have adequate mentorship to facilitate the development of their research projects and to promote understanding of what is required to conduct independent research of significant impact. Students will be required to spend time in the laboratory of the Chief Supervisor and other mentors. Rotation that facilitates greater interaction between senior and aspiring researchers can foster the exchange of brilliant ideas. Student will want to do this course because it can facilitate exposure to research capabilities not currently available as PhD disciplines, such as Biochemical Pharmacology, Clinical Biochemistry and Chemical Pathology.

RESEARCH DATA COLLECTION & REPORTING

The aim is to have student work with Chief Supervisor to execute an approved research project. This project must be completed in time for submission of written report no later than at the end of year 2 semesters 2 (May 30th). The project is expected to make some independent contribution to knowledge or understanding in the subject area in which the student is working.

ELECTIVES

Students work with the graduate programme coordinator and Chief Supervisor to identify 10 credits of courses appropriate for their chosen course of study. These may include graduate courses in the department (minimum 6 credits) or approved courses from other departments, faculties and universities (local or regional). Laboratory training in external organizations can be assigned credits

MSc TRACK OR PhD TRACK

Students have the option of either completing the MSc. However, If the project has the potential to significantly contribute to the body of knowledge, the student can be invited to develop the research for PhD consideration and therefore enter the PhD track. This will require the submission of a research report with the project proposal for the PhD transfer and oral examination of the proposal. The examination should ideally be completed at the end of year 2 semester 2. Students may however apply for an extension of registration to complete the process.

Current PhD Programme available

- Anatomy
- Biochemistry
- Applied Microbiology
- Molecular Biology
- Pharmacology
- Physiology
- Toxicology

The MSc Biomedical Research graduates will:

- *be prepared for research oriented careers in government, public sector, independent organizations or research centres.*
- *be more competitive applicants for regional and international doctoral programmes.*

Programme Tuition

Year 1: \$360,000.00 JA

Year 2: \$360,000.00 JA

Total: \$ 720,000.00 JA



The University of the
West Indies
Mona Campus
Faculty of Medical Sciences

Master of Science in Biomedical Research/PhD Transfer

Apply Now

www.mona.uwi.edu/postgrad/

Department of Basic Medical Sciences

Faculty of Medical Sciences Teaching &
Research Complex, Aqueduct Way

Mona Campus, Kingston 7, Jamaica

Telephone: 876-977-2216