

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 24 months.

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.

Programme Duration

The programme is offered full time over 24 months

Programme Cost

Year 1: \$360,000.00 JA

Year 2: \$360,000.00 JA

Total: \$ 720,000.00 JA

Financial support

Through demonstrator ship students can qualify for full or partial funding.

| Core Course | Credit |
|---|-----------|
| Year 1: Semesters1-2 & Summer term | |
| BAMS 6011:Understanding Research | 6 |
| BAMS 6012: Laboratory rotation | 6 |
| BAMS 6014:Reading for the Thesis Seminars | 2 |
| Graduate Electives | 10 |
| Graduate writing course | 3 |
| TOTAL | 27 |

| MSc Track | Credit |
|--|----------|
| Year 2 Semesters1-2 & Summer term | |
| BAMS 6015:Research by project report | 8 |
| Submission of research report May 30th | |
| Oral examination of research report | |
| Submission of final report report | |
| TOTAL | 8 |

| PhD Track | Credit |
|---|----------|
| Year 2: Semesters1-2 and summer | |
| BAMS 6015:Research by project report | |
| Declare interest in upgrading during semester 2 | |
| Submitted project report with PhD project proposal by June 30th | |
| Oral examination of research report in September | |
| Transfer to PhD | |
| Years 3-5 full time/5-7 part time | |
| Completion of PhD Programme | |
| TOTAL | 0 |

BAMS6011UNDERSTANDING RESEARCH

Course objectives

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. The course concludes with the writing of a professional research protocol paper and presenting a formal seminar. The protocol is expected to make a significant contribution to field of study.

BAMS 6012 LABORATORY ROTATION

Course Objectives

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 two 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, Chemical Pathology, Forensic Toxicology, Biomedical Engineering, Biochemical Physics.

BAMS 6014 READING FOR THE THESIS SEMINARS

Course Objectives

This is a seminar series involving presentations from students of weekly journal articles, case reviews and presentation from invited speakers. The learning outcomes will be delivered through participation in weekly oral presentation sessions, involving paper review, research project updates to provide students with adequate opportunities to develop skills in oral presentation and constructive critique of scientific data.

BAMS 6015 RESEARCH DATA COLLECTION & REPORTING

Course Objectives

The aim is to have student work with Chief Supervisor to execute the project approved from BAMS6011. 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). Reports are graded and return for final edit before grades are submitted. The MSc Biomedical Research is expected to make some independent contribution to knowledge or understanding in the subject area in which the student is working. 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.

Current PhD programmes

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

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.



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