

ENTRY REQUIREMENTS

a first degree in a Clinical or Pre-Clinical discipline, such as, Biochemistry, Physiology, Pharmacology, Pharmacy with a cumulative GPA of 2.0 (Lower Second Class Honours) from a University recognized by The University of the West Indies.

OR

a first degree in a Science disciplines with a cumulative GPA of 2.0 (Lower Second Class Honours) from a University recognized by The University of the West Indies with evidence of completion of at least University level-1 Chemistry and Biology.

Programme Cost

Total Cost: \$10,500.00 USD

\$5,250 USD per year

Improve your job prospects in:

- *Clinical Drug Research*
- *Biopharmaceutics*
- *Clinical Pharmacology*
- *Clinical Pharmacy*
- *Pharmaceutical sales*
- *Pharmaceutical marketing*
- *Regulatory affairs*
- *Drug Policy*
- *Pharmacovigilance*
- *Pharmacoeconomics*
- *Pharmacoepidemiology*
- *Academia*

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

Master of Science
in

Applied Pharmacology

>> Clinical, Industrial, Regulatory

Apply Now

www.mona.uwi.edu/postgrad/

Department of Basic Medical Sciences

4 St. Johnson Close

Mona Campus, Kingston 7, Jamaica

Tel: 876-9272216

PROGRAMME PURPOSE & OBJECTIVES

The Applied Pharmacology programme is designed to offer a broad-based learning experience to produce individuals with the theoretical and problem-solving skills necessary for successful careers in drug development, drug sales, pre-clinical research, clinical research, as well influencing health policy and marketing.

On completion of this programme students will be able to:

- Demonstrate an understanding of the fundamental concepts of pharmacology
- Apply basic pharmacology in appreciating how drugs are used therapeutically
- Apply basic pharmacology experimental procedures in an understanding of how drugs are developed
- Demonstrate an understanding about how individual patient factors can influence drug action
- Demonstrate an understanding of the need of regulations to ensure drug efficacy, standard and safety
- Apply market information that is relevant to drug sales.
- Prepare, and execute projects proposal.
- Demonstrate integration of knowledge and skills through a variety of experiences and tools such as comprehensive examinations, executing research project and thesis development.
- Apply knowledge to impact changes that can positively influence policy decisions

CORE CURRICULUM

Each student is required to successfully complete the Core Curriculum which provides the student with a broad-based educational experience in Pharmacology. Courses included in the Core Curriculum are as follows:

Course Code	Core Course	Credit	Term
PHAL6001	Fundamentals of Pharmacology	2	1
PHAL6002	Pharmacology by structure and function I	3	1
PHAL6003	Experimental Pharmacology I	2	1
PHAL6004	Basics Statistical Analysis for Pharmacology	3	1
PHAL6005	Pharmacology by structure and function II	3	2
PHAL6006	Experimental Pharmacology II	2	2
PHAL6007	Basic Research Skill for Pharmacology	2	2
PHAL6008	Drug Development, Clinical Trials and Regulations	3	2
PHAL6009	Graduate Seminars	2	3,4 & 5
PHAL6017	Research project: Development & Execution	6	4, 5 & 6
Total		28	

ELECTIVES

MSc students **must** complete at least **nine (9)** credits

Course Code	Elective Courses	Credit	Term
PHAL6010	Drugs of Abuse: Psychopharmacology ²	3	3
PHAL6011	Biopharmaceutics & Clinical Pharmacokinetics ^{1,2}	3	3
PHAL6012	Paediatric & Geriatric Pharmacology ²	3	3
PHAL6013	Pharmaceutical Sales & Marketing Operation ¹	3	3
PHAL6014	Pharmacoeconomics ¹	3	3
PHAL6015	Pharmacovigilance and Pharmacoepidemiology ^{1,2}	3	3
PHAL6016	Introduction to Pharmaceutical Law and Ethics ^{1,2}	3	3

1. Encourage elective for students interested in industry & regulatory affairs

2. Encouraged elective for students interested in clinical pharmacology