

BSc in Pharmacy – Mixed Mode Programme (Upgrade for Professionals)

FACULTY OF MEDICAL SCIENCES

FACT SHEET

Programme Begins

August 2015

Target Group

Persons who are holders of a Diploma/Certificate/Associate Degree in Pharmacy and who are registered pharmacists.

Duration of Study

The programme extends over a minimum of six (6) or a maximum of twelve (12) semesters. A total of **ninety-four credits** will be required for the award of the BSc Pharmacy degree.

Delivery Mode

The programme will be delivered by mixed mode. Module 1 will be totally online while module 2 will be primarily online with practical/laboratory classes conducted during a <u>2 week residential period in June/July/August</u> at the School of Pharmacy. Module 3 will involve clinical instruction that will be conducted at approved practicum sites throughout the Caribbean.

About the Programme

This is a part-time programme, which builds on the student's knowledge of the pharmacy profession as would have been gained by prior training and working experience. The curriculum provides the student with the knowledge, skills, abilities, attitudes and values that, in composite, relate to the professional competencies and outcome expectations of the contemporary pharmacy profession.

The programme is divided into three (3) modules as outlined below:

- 1. This module consists of courses necessary for developing critical knowledge in areas basic to pharmacy science:
- Integrated Basic Health Sciences will introduce students to concepts in Anatomy, Physiology, Biochemistry, Microbiology, Immunology, General Pathology and Community Health that are basic to understanding the normal functioning of the body, pathophysiology of diseases and to aspects of public health, primary care and epidemiology of diseases;
- Pharmacology and Medicinal Chemistry will provide the foundation of knowledge about the mechanisms/actions, uses and side effects; whilst assisting students in understanding drug design, structure-activity relationships and interactions of commonly used drugs;





- The Health Professional and Society: students will learn to reflect on the role and required values of health professionals in the wider society so that they can understand their role as a service provider.
- Communication Skills in Health Sciences will continue to help students understand their social contract with society, and also help students to explore and develop verbal and non-verbal communication skills.
- **PECH Practicum** will further inspire commitment to society by encouraging students to identify practical areas where they can be of service to society.
- 2. Courses in Module 2 are focused on developing the necessary skills and knowledge to evaluate patient data, scientific literature and pharmaceutical products and to optimise drug utilisation for therapeutic and diagnostic purposes:
- Uses and Evaluation of Scientific Literature will introduce students to Biostatistics, Research Methodology, Drug Information/Literature Evaluation, and presentation of selected topics in Pharmacy Seminars.
- **Pharmacy Practice:** students will learn the technical skills involved in compounding products, adherence to good manufacturing practice, to demonstrate understanding of considerations necessary to assure pharmaceutical product quality.
- **Biopharmaceutics, New Drug Delivery Systems & Devices:** students will be provided with an understanding of the relationship between physical, chemical and biological principles as they apply to pharmacokinetics and pharmacodynamics.
- **Applied Therapeutics**: students will learn about the clinical manifestations of disease states and acquire the skill required to ensure the most effective use of drugs as therapeutic tools.
- **Pharmacokinetics:** students will gain an understanding of the time-course of drugs and metabolites in the body and the potential applications of this to common clinical problems.
- Complementary/Alternative Medicine and Non-prescription Drugs: students will learn the social, scientific and legal foundations for the alleviation of symptoms of disease with or without the advice of a physician.
- **3.** Module 3 comprises 450 hours of clerkship and two (2) Elective courses, chosen from among the following, that will allow students to pursue individual interests:
 - a. **Research Project** provides a basic level of training in systematic investigation of a topic of interest to the student. It provides an opportunity to learn about research methods, gain skill in writing a research proposal in an appropriate format, skill in literature survey, experimental design, data collection/ organisation /interpretation and presentation.
 - b. **Institutional Pharmacy Practice Management** introduces students to hospital pharmacy management and to the services frequently associated with a hospital pharmacy procurement, storage, compounding, manufacturing, packaging, dispensing, distribution and monitoring of medications and also includes safe and appropriate use of drugs within the framework of pharmaceutical care.







- c. Clinical Toxicology: students will explore selected key concepts and topics (sources; mechanism of action, susceptibility and clinical signs; diagnosis and treatment) of acute toxicoses that affect the cardiovascular, renal, hepatic, nervous, reproductive system and those that affect miscellaneous system, of plant, animal, natural and man-made origins.
- d. **Pharmacoeconomics** attempts to identify, measure, evaluate and improve the effectiveness of healthcare and control the cost of inappropriate care. The student will understand both the direct and indirect costs and benefits of therapeutic options borne by patients, their families and employers.

Cost

Tuition Fees: US\$245 per credit (Trinidad and Tobago nationals) TT\$720 per credit*

Compulsory fees:

Identification card (first issue only) TT\$120 Caution Money (year of Entry only) TT\$500

*The Government of Trinidad and Tobago provides a subsidy of 50% of tuition fees to persons who have been admitted as nationals of Trinidad and Tobago. Fees quoted are the subsidised fees.

Application Procedure

Completed application forms and all necessary documents, including a photocopy of each document, must be submitted with the **application forms by March 31, 2015**

OPENING HOURS: Student Affairs (Admissions):

The Lloyd Braithwaite Student Administration Building, Lewis Avenue

Mondays to Thursdays: 8:30-6:00 pmFridays: 8:30-4:30 pm

NO LATE APPLICATIONS WILL BE ACCEPTED

For Further Information Contact

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APPLICATION DEADLINE: March 31, 2015



