

**Course of Study Name:** Bachelor of Pharmacy

**Matriculation Requirements: Consist of 3 Options; (a) (b) (c)**

- (a) **CSEC-** Chemistry, Biology, Mathematics, English Language and any other (CSEC 1, 2, &3 since 1998). Plus **CAPE** Units 1 & 2 passes in Chemistry and 1 other subject, preferably Biology, Zoology, Mathematics or Physics.
  
- (b) GCE O-Level passes including Chemistry, Biology, Mathematics, English language and any other (O' Level with A, B & C). Plus **CAPE** Units 1 & 2 passes in Chemistry and 1 other subject, preferably Biology, Zoology, Mathematics or Physics.
  
- (c) Other appropriate level of study in a recognised educational institution.

In addition to the above, all selected applicants must pass a final selection interview and receive a successful evaluation in the Psychometric Test.

**Normal Duration & path to completion:**

Four (4) year full-time comprising of a total of one hundred and forty two and half (142.5) credit hours done over eight semesters

**Module code and title:**

***GENERAL MODULES***

**ACADEMIC WRITING 1 (COM 1020):**

**COLLEGE MATHEMATICS 1B (MAT 1047):**

**MICROBIOLOGY(MIB1001):**

**MEDICAL PHYSICS (PHS1003)**

**APPLIED ORGANIC CHEMISTRY (CHY1005)**

**COMMUNITY SERVICE PROJECT (CSP1001)**

**INFORMATION TECHNOLOGY (INT1001)**

**UNIVERSITY ELECTIVE**

**INTRODUCTION TO CALCULUS (MAT2003)**

**ANATOMY AND PHYSIOLOGY I (ANP1001)**

**BIOCHEMISTRY (CHY2026)**

**ACADEMIC WRITING II (COM2014)**

**MEDICINAL CHEMISTRY I (CHY 3004)**

**MEDICINAL CHEMISTRY II (CHY3008)**

ANALYTICAL CHEMISTRY (CHY 3022)

RESEARCH METHODOLOGIES (RES3001)

BIostatISTICS (STA3001)

**CORE MODULES**

HEALTH PROMOTION AND COMMUNITY HEALTH (HEA2001)

ANATOMY AND PHYSIOLOGY II (ANP2001)

PHARMACOGNOSY (PHA2001)

PHARMACEUTICS PRACTICAL I (PHA2002 A)

PHARMACEUTICS I THEORY (PHA2002 B)

IMMUNOLOGY (IMM2001)

INTRODUCTION TO PSYCHOLOGY (PSY 1005):

PHARMACEUTICS IIA– PRACTICAL (PHA2003 A)

PHARMACEUTICS IIB – Theory (PHA2003 B)

PATHOLOGY (PAT 2001)

PROFESSIONAL PRACTICE (PHA 2005)

PHARMACOLOGY I (PHA 2004)

ANTI-INFECTIVES (PHA 3002):

BIOPHARMACEUTICS /BASIC PHARMACOKINETICS (PHA3003)

CLINICAL PHARMACY & THERAPEUTICS I (PHA 3022)

DISPENSING I (Pharmacy Practice I) (PHA3005)

PHARMACOLOGY II (PHA3006)

PROJECT SEMINAR I (HEA3011)

CLINICAL PHARMACY & THERAPEUTICS II (PHA3023)

DISPENSING II (PHARMACY PRACTICE II) (PHA3008)

CLINICAL PHARMACOKINETICS (PHA 3009)

**EPIDEMIOLOGY (EPI4002)**

**FORENSIC PHARMACY (PHA4001)**

**PHARMACY ADMINISTRATION (PHA4002)**

**INTRODUCTION TO PHARMACY (PHA1002)**

**TOXICOLOGY (PHA4008)**

**COMMUNITY PHARMACY (Elective) (PHA4003)**

**HERBAL & COMPLEMENTARY MEDICINE (Elective) (PHA4007)**

**HOSPITAL PHARMACY (Elective) (PHA4004)**

**STERILE TECHNOLOGY (Elective) (PHA4006)**

**VETERINARY PHARMACY (Elective) (PHA4005)**

**CLINICAL CLERKSHIP (PHA4009)**

**NUTRITION IN PHARMACY PRACTICE (elective) (NUT4001)**

**COMMUNITY PHARMACY EXTERNSHIP (PHA4010)**

**HOSPITAL EXTERNSHIP (PHA4011)**

**CLINICAL PHARMACY & THERAPEUTICS III (PHA4020)**

**PHARMACEUTICAL CALCULATIONS (PHA1001)**

**FINAL YEAR PROJECT PRJ 4010**

**Career Opportunities:**

Community Pharmacist, Hospital Pharmacist, Researcher - Industry, Academia, Distributive, Administration and Regulatory

## BACHELOR OF PHARMACY

### Course Structure

Level 1					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 1</b>					
COM1020	Academic Writing 1		3		3
MAT1047	College Mathematics 1B	2	2		4
MIB1001	Microbiology	2		4	3
PHA1002	Introduction to Pharmacy	2			2
CHY1005	Applied Organic Chemistry	2		3	3
CSP1001	Community Service Project	1			1
	<b>Sub-Total</b>	9	5	7	<b>16</b>

Level 1					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 2</b>					
MAT2003	Calculus	2	1		3
INT1001	Information Technology	1	1	3	3
PHS1003	Medical Physics	2	1	3	4
PHA1001	Pharmaceutical Calculation	3	1		4
ANP1001	Anatomy & Physiology 1	3		3	4
CHY2026 is equivalent to CHY1007	General Biochemistry	3			3
	<b>Sub-Total</b>	14	4	9	<b>21</b>

**TOTAL CREDITS FOR LEVEL 1=37 credits**

Level 2					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 1</b>					
COM2014	Academic Writing 2		3		3
ANP2001	Anatomy & Physiology II	3		3	4
PHA2001	Pharmacognosy	2		3	3
PHA2002A	Pharmaceutics Practical IA Lab		1	3	2
PHA2002B	Pharmaceutics IB Theory	3			3
IMM2001	Immunology	2			2
PSY1005	Introduction to Psychology for Health Professionals	3			3
	<b>Sub-Total</b>	<b>12</b>	<b>4</b>	<b>9</b>	<b>20</b>

Level 2					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 2</b>					
HEA2001	Health Promotion & Community Health	2			2
PHA2003A	Pharmaceutics IIA Lab		1	3	2
PHA2003B	Pharmaceutics IIB Theory	3			3
PAT2001	Pathology	2			2
PHA2005	Professional Practice	3			3
PHA2004	Pharmacology 1	3		3	4
	University Elective	3			3
	<b>Sub-Total</b>	<b>16</b>	<b>1</b>	<b>6</b>	<b>19</b>

**TOTAL CREDITS FOR LEVEL 2 =39 credits**

Level 3					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 1</b>					
CHY3004	Medicinal Chemistry 1	4			4
PHA3002	Anti-infectives	2			2
PHA3003	Biopharmaceutics/Basic Pharmacokinetics	2			2
PHA3005	Dispensing I		1	3	2
PHA3006	Pharmacology II	3		3	4
PHA3022	Clinical Pharmacy & Therapeutics I	2			2
HEA3011	Project Seminar	1			0
RES3001	Research Methods	3			3
	<b>Sub-Total</b>	<b>14</b>	<b>1</b>	<b>6</b>	<b>19</b>

Level 3					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 2</b>					
PHA4001	Forensic Pharmacy	3			3
STA3001	Biostatistics	3			3
PHA3009	Clinical Pharmacokinetics	2			2
PHA3023	Clinical Pharmacy & Therapeutics II	3			3
PHA3008	Dispensing II		1	3	2
CHY3008	Medicinal Chemistry II	3			3
CHY3022	Analytical Chemistry	3		3	4
	<b>Sub-Total</b>	<b>20</b>	<b>1</b>	<b>6</b>	<b>20</b>

**TOTAL CREDITS FOR LEVEL 3 =39 credit**

Level 4					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 1</b>					
PHA4020	Clinical Pharmacy & Therapeutics III	3			3
PHA4002	Pharmacy Administration	5			5
EPI4002	Epidemiology	3			3
PHA4003/ PHA4004/ PHA4005	<b>Pharmacy Elective I</b> Community Pharmacy Hospital Pharmacy Veterinary Pharmacy	2			2
PHA4006/ PHA4007/ NUT4001	<b>Pharmacy Elective II</b> Sterile Technology Herbal & Complementary Medicine Nutrition	2			2
PHA4008	Toxicology	2			2
PRJ4010	Final Year Project				3
	<b>Sub-Total</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>20</b>

Level 4					
Module Codes	Module	CONTACT HOURS/WEEK			Total Credits
		Lecture Hours	Tutorial Hours	Lab Hours	
<b>Semester 2</b>					
PHA4009	Clinical Clerkship			200	2.5
PHA4010	Community Externship			200	2.5
PHA4011	Hospital Externship			200	2.5
	<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>7.5</b>

**TOTAL CREDITS FOR LEVEL 4 =27.5 credits**

<b>Total Credit</b>	<b>142.5</b>
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