Bachelor of Pharmacy

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United States International University-Africa

Education to take you places

PROGRAM DESCRIPTION

The USIU-Africa pharmacy program is designed for students who wish to pursue careers in different pharmacy practice settings, management and research. In particular, both the industrial and hospital arms of our program have been enhanced so as to bring out the best of knowledge, skills, ethics, values, style and success in our graduates.

The program focuses on the development, application and effective management of pharmaceutical technology as a fundamental tool of modern healthcare. This is why USIU-Africa has invested heavily in the best equipped laboratories and library of any pharmacy program in the region.

PROGRAM LEARNING OUTCOMES

Upon successful completion of the program, the students will be able to:

1. Produce pharmaceutical products utilizing appropriate procedures and standards.
2. Manage a supply chain for pharmaceutical materials and products.
3. Apply regulatory and ethical instruments that govern the practice of pharmacy.
4. Design therapeutic management regimens for patients.
5. Disseminate knowledge on health related issues.
6. Participate in health research.

DEGREE REQUIREMENTS 350 UNITS

GENERAL EDUCATION 39 UNITS

SIGNATURE COURSES 12 UNITS

STRATEGIES FOR UNIVERSITY SUCCESS **3 UNITS**
SUS 1010 Strategies for University Success

RESEARCH METHODS **3 UNITS**
GRM 2000 Introduction to Research Methods

COMMUNITY SERVICE OR COMMUNITY PROJECT **3 UNITS**
CMS 3700 Community Service

THE SENIOR EXPERIENCE **3 UNITS**
SEN 4800 Integrated Senior Seminar

LANGUAGE STUDIES 12 UNITS

ENGLISH **6 UNITS**
ENG 1106 Composition I (WI)
ENG 2206 Composition II (WI)

FOREIGN LANGUAGE **6 UNITS**
Students must have credit for a foreign language or must take up a two-course foreign language sequence of one language. USIU-Africa offers courses in Arabic, Chinese, French, Japanese, Spanish and Swahili.
Foreign Language I
Foreign Language II

DISCIPLINARY GENERAL EDUCATION ELECTIVES 15 UNITS

MTH 1109	College Algebra	3 Units
IST 1010	Introduction to Information Systems	3 Units

SCHOOL-BASED GENERAL EDUCATION ELECTIVES 9 UNITS

Students are required to pick 3 electives from the other schools (At least one of the courses should be an upper level course).

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES - LOWER LEVEL ELECTIVES
SOC 2201 Introduction to Sociology

CHANDARIA SCHOOL OF BUSINESS – LIST OF ELECTIVES
ENT 1010 Introduction to Entrepreneurship
BUS 4090 Strategic Management

MAJOR 311 UNITS

PRE-CLINICAL CORE COURSES 139.5 UNITS

BCM 1341	Biochemistry I (Cellular Biology)	3.0 Units
BCM 1342	Biochemistry II (Biochemistry of Biomolecules)	4.5 Units
BCM 1343	Biochemistry III (Metabolic Processes & Disorders)	4.5 Units
BCM 2344	Biochemistry IV (Enzymology)	4.5 Units
BCM 2345	Biochemistry V (Biochemistry of Specialized Tissues)	3.0 Units
BCM 2346	Biochemistry VI (Molecular Biology)	3.0 Units
BCM 3347	Biochemistry VII (Introduction to Pharmaceutical Biotechnology)	3.0 Units
BOT 3352	Botany I (Plant Anatomy & Physiology)	4.5 Units
BOT 3353	Botany II General Plant Biochemistry & Toxicology	3.0 Units
CHE 1305	Inorganic Chemistry I (Basic Inorganic Chemistry)	4.5 Units
CHE 1306	Inorganic Chemistry II (Atomic Structure and Chemical Bonding)	3.0 Units
CHE 2304	Chromatographic Methods	4.5 Units
CHE 2307	Physical Chemistry I (Introduction to Physical Chemistry)	4.5 Units
CHE 2308	Physical Chemistry II (Nuclear Chemistry)	3.0 Units
CHE 2305	Organic Chemistry I (Introduction to Organic Chemistry)	4.5 Units
CHE 2306	Organic Chemistry II (Synthetic Methods in Organic Chemistry)	3.0 Units
ENV 2001	Sustainable Resource Management	3.0 Units
HAN 1321	Human Anatomy I (Upper & Lower Limb, Basic Histology & Embryology)	4.5 Units
HAN 1332	Human Anatomy II (Trunk, Systemic Histology & Embryology)	4.5 Units
HAN 1323	Human Anatomy III (Head, Neck & Neuroanatomy)	4.5 Units
MIC 2362	Microbiology II (Parasitology & Entomology)	4.5 Units
MIC 2365	Microbiology I (Bacteriology)	4.5 Units
MIC 2366	Virology & Mycology	3.0 Units
MIC 2367	Immunopathology	3.0 Units
NSC 2215	Introduction to Mechanics	3.0 Units
PAT 3371	Pathology I (General Pathology)	3.0 Units
PAT 3372	Pathology II (Haematology)	4.5 Units
PAT 3373	Pathology III (Clinical Chemistry)	4.5 Units
PHY 1331	Human Physiology I (Introduction to Medical Physiology)	3.0 Units
PHY 1332	Human Physiology II (Sensory & muscle physiology)	4.5 Units
PHY 1333	Human Physiology III (GIT & Respiratory system)	4.5 Units
PHY 2334	Human Physiology IV (Cardiovascular & Renal Physiology)	4.5 Units
PHY 2335	Human Physiology V (Reproductive & endocrine systems)	3.0 Units
PHY 2336	Human Physiology VI (Sensory & nervous systems)	4.5 Units
HSC 2391	Health Sciences I (Health Economics)	3.0 Units
HSC 3492	Health Sciences II (Law and Ethics in Research)	3.0 Units
HSC 4493	Health Sciences III (Research Methods & Biostatistics)	3.0 Units

CLINICAL CORE COURSES 171.5 UNITS

PHM 3401	Analytical Chemistry I (Introduction to Analytical Chemistry)	3.0 Units
PHM 3402	Analytical Chemistry II (Instrumental Methods of Analysis)	3.0 Units
PHM 3404	Medicinal Chemistry I (Drug Discovery and Development)	4.5 Units
PHM 3405	Medicinal Chemistry II (Medicinal Chemistry of Pharmacodynamics Drugs)	3.0 Units
PHM 3411	Pharmaceutics I (Introduction to Pharmacy Practice)	3.0 Units
PHM 3412	Pharmaceutics II (Biopharmaceutics)	3.0 Units
PHM 3413	Pharmaceutics III (Physical Pharmaceutics)	4.5 Units
PHM 3451	Pharmacognosy I (General Pharmacognosy)	4.5 Units
PHM 3471	Pharmacology I (Basic Pharmacology and Toxicology)	3.0 Units
PHM 3472	Pharmacology II (Anti-Infective Drugs)	3.0 Units
PHM 3473	Pharmacology III (Respiratory & Gastrointestinal Pharmacology)	4.5 Units
PHM 3481	Clinical Pharmacy I (Introduction to Clinical Pharmacy)	3.0 Units
PHM 3483	Clinical Pharmacy II (Respiratory & Gastrointestinal Disorders)	3.0 Units
PHM 3485	Clinical Pharmacy III (Clinical Management of Bacterial & Viral Diseases)	3.0 Units
PHM 3487	Clinical Pharmacy IV (Clinical Management of Fungal, Parasitic & Protozoan Diseases)	3.0 Units
PHM 4405	Medicinal Chemistry III (Classification, Activities & Assays of Chemotherapeutic agents)	4.5 Units
PHM 4406	Medicinal Chemistry IV (Discovery & Development of Chemotherapeutic Agents)	3.0 Units
PHM 4414	Pharmaceutics IV (Unit Operations)	4.5 Units
PHM 4415	Pharmaceutics V (Powder Technology)	3.0 Units
PHM 4416	Pharmaceutics VI (Dispensing and Pharmacy Practice)	4.5 Units
PHM 4425	Pharmaceutical Analysis I (Qualitative & Quantitative Analysis of Drugs)	4.5 Units
PHM 4426	Pharmaceutical Analysis II (Operations in Quality Control Laboratory)	6.0 Units
PHM 4451	Pharmacognosy II (Fundamentals of Phytochemistry	4.5 Units
PHM 4452	Pharmacognosy III (Complementary & Alternative Medicine)	3.0 Units
PHM 4474	Pharmacology IV (Cardiovascular and Renal Pharmacology)	4.5 Units
PHM 4475	Pharmacology V (Endocrine and Reproductive Pharmacology)	4.5 Units
PHM 4476	Pharmacology VI (Nervous and Musculoskeletal Pharmacology)	4.5 Units
PHM 4481	Pharmacy Practice Experience I	3.0 Units
PHM 4482	Pharmacy Practice Experience II	3.0 Units
PHM 4483	Pharmacy Practice Experience III	1.5 Units
PHM 4484	Clinical Pharmacy V (Cardiovascular and Renal Disorders)	3.0 Units
PHM 4488	Clinical Pharmacy VI (Endocrine & Reproductive System Disorders)	3.0 Units
PHM 4487	Clinical Pharmacy VII (Nervous and Musculoskeletal Disorders)	3.0 Units
PHM 4492	Introduction to Social and Behavioral Pharmacy	3.0 Units
PHM 4493	Applied Social and Behavioral Pharmacy	3.0 Units
PHM 5477	Pharmacology VII (Cancer, Ocular and Skin Pharmacology)	3.0 Units
PHM 5478	Pharmacology VIII (Veterinary Pharmacology)	3.0 Units
PHM 5407	Pharmaceutical Analysis III (Pharmaceutical Quality Control)	3.0 Units
PHM 5417	Pharmaceutics VII (Dosage Forms)	4.5 Units
PHM 5418	Pharmaceutics VIII (Pharmaceutical Microbiology)	4.5 Units
PHM 5489	Clinical Pharmacy VIII (Neoplastic Disorders)	3.0 Units
PHM 5491	Clinical Pharmacy IX (Ocular, Ear and Skin Disorders)	3.0 Units
PHM 5492	Pharmaceutical Marketing Management	3.0 Units
PHM 5493	Pharmacy Management	3.0 Units
PHM 5494	Elective Industrial & Hospital Attachment	8.0 Units
PHM 5496	Pharmacy, Law & Ethics	3.0 Units
PHM 5497	Research Proposal	3.0 Units
PHM 5498	Research Report	3.0 Units

ADMISSION REQUIREMENTS

Applicants must have obtained an everage weight of B- provided that NO subject in this cluster shall have a grade below C+

OPTION A
Chemistry
Biology
Maths/Physics
English/Kiswahili

OPTION B
Biological Sciences
Physical Sciences
Mathematics
English/Kiswahili

OR

For A level graduates, a minimum of two(2) Principal passes (C) in Biology and chemistry and a subsidiary pass (or credit pass at O'level) in Physics or Mathemtics

CONTACTS

P.O. Box 14634-00800
USIU Road, Off Thika Road (Exit 7) |
Nairobi, Kenya Tel: +254-730 116 300/000
Email: admit@usiu.ac.ke

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