

PHARMACY ACADEMIC PROGRAM

Basic Introductory Courses

Study methods and techniques
Philosophy and logic
Spanish

I Quarter

Credits

Written and oral expression	3
Introduction to Pharmacy	3
Introduction to Computer science	3
Mathematics I	3
Chemistry I (Theory)	3
Chemistry I (Laboratory)	0
Health and society	3

II Quarter

Credits

Biology (Theory)	3
Biology (Laboratory)	0
Research Methods	3
History and Cultural Development in Central America	3
Physics I	3
Mathematics II	3
Chemistry II (Theory)	3
Chemistry II (Laboratory)	0

III Quarter

Credits

Biostatistics	4
Pharmaceutical Administration	3
Physics II	3
Anatomy	4
Organic Chemistry I	4
Organic Chemistry I (Laboratory)	0

IV Quarter	Credits
Epidemiology and Demography	3
Pharmaceutical Chemistry Theory	3
Pharmaceutical Chemistry (Laboratory)	0
Physiology	4
Physiology (Laboratory)	0
Management in Pharmacy I	3
Organic Chemistry II	4
Organic Chemistry II (Laboratory)	0

V Quarter	Credits
Biochemistry	4
Biochemistry (Laboratory)	0
Pharmacognosia I	3
Pharmacognosia I (Laboratory)	0
Physics in Pharmacy I	3
Physics in Pharmacy I (Laboratory)	0
Pharmacology I	3
Physiopathology I	4

VI Quarter	Credits
Microbiology	3
Microbiology (Laboratory)	0
Pharmacognosia II	3
Pharmacognosia II (Laboratory)	0
Physics in Pharmacy II	3
Physics in Pharmacy II (Laboratory)	0
Pharmacology II	3
Physiopathology II	4
English I	2

VII Quarter	Credits
Drug Analysis I	4
Drug Analysis I (Laboratory)	0
Community Pharmacy	3
Pharmacology III	3
English II	2
Medical Chemistry I	4
Medical Chemistry I (Laboratory)	0
Therapeutics	2

VIII Quarter	Credits
Drug analysis II	4

Drug analysis II (Laboratory)	0
Pharmaceutical ethics and legislation	3
Medical Visit Basic	4
Technical English	4
Medical Chemistry II	4
Medical Chemistry II (Laboratory)	0

B.SC Degree

IX Quarter Credits

Bio-pharmacy	4
Bio-pharmacy (Laboratory)	0
Quality Control I	4
Quality Control I (Laboratory)	0
Industrial Pharmacy	4
Industrial Pharmacy (Laboratory)	0
Homeopathy I	3
Toxicology I	3

X Quarter Credits

Quality Control II	4
Quality Control II (Laboratory)	0
Hospital Pharmacy	4
Homeopathy II	3
Toxicology II	3
Guided Research	3

Total Credits: 176