

Advisory Plan (Pharmacy Program)

First Year – First Semester			
Course No	Course Name	C.H.	Prerequisite
10231114	General Chemistry for Health Sciences	3	-
10231115	General Chemistry Lab. for Health Sciences	1	Synchronous 10231114
7227206	Pharmacy Ethics and Professionalism	1	-
7101204	Anatomy for Pharmacy	3	
7104110	General Biology for Pharmacy	3	-
11000102	Arabic Language	3	
11000117	Leadership and Communication Skills	1	
Total 15			

First Year – Second Semester			
Course No	Course Name	C.H.	Prerequisite
10231217	Analytical Chemistry for Pharmacy	2	10231114 10231115
10231218	Practical Analytical Chemistry for Pharmacy	1	10231115 Synchronous with 10231217
7105405	Pharmaceutical Microbiology	3	7104110
7106204	Public Health and Pharmacoepidemiology	3	-
7304504	Pharmaceutical Calculations	2	-
	University Compulsory Course	6	
Total 17			

Second Year – First Semester			
Course No	Course Name	C.H.	Prerequisite
7104210	Principles of General and Metabolic Biochemistry	3	No change
10231251	Pharmaceutical Organic Chemistry 1	3	No change
10231255	Pharmaceutical Organic Chemistry Laboratory	1	Synchronous 10231251
7102205	Physiology for Pharmacy I	4	-

7304201	Physical Pharmacy I	3	No change
	University Compulsory Course	3	
Total 17			

Second Year -Second Semester			
Course No	Course Name	C.H.	Prerequisite
10231252	Pharmaceutical Organic Chemistry 2	3	10231251
7304203	Physical Pharmacy II	2	No change
7102206	Physiology for Pharmacy II	2	7102205
7109306	Pharmacology for pharmacy 1	3	7102205
7103906	Immunology for Pharmacy	2	7105405
7304204	Physical Pharmacy Lab.	1	Prerequisite or Synchronous 7304203
	University Compulsory Course	3	
	Major Elective Course	2	
Total 18			

Third Year – First Semester			
Course No	Course Name	C.H.	Prerequisite
7103119	Pathology	2	7104110
7109307	Pharmacology for Pharmacy II	3	7109306
7303110	Medicinal Chemistry I	3	10231251
7303306	Pharmacognosy	3	10231251
10216238	Pharmaceutical Statistics	2	7304504
7303307	Pharmacognosy Lab.	1	No change
	Communication Skills	1	No change
	University Compulsory Course or Major Elective Course	3	
Total 8			

Third Year – Second Semester			
Course No	Course Name	C.H.	Prerequisite
7304301	Pharmaceutics I	4	No change
7303111	Medicinal Chemistry II	3	7303110
7104220	Clinical Biochemistry	1	7104210
7303304	Photochemistry	3	No change
7303906	Research Methods in Pharmacy	3	10216238
7109308	Pharmacology for Pharmacy III	2	7109306
7301211	Clinical Nutrition and Nutraceuticals	2	7104210
Total 18			

Fourth Year – First Semester			
Course No	Course Name	C.H.	Prerequisite
7304401	Industrial Pharmacy	3	No change
7304501	Pharmacokinetics	3	No change
7304302	Pharmaceutics II	4	No change
7301406	Clinical Pharmacy I	3	7109307
7301403	Pharmaceutical care	3	7109307
7303112	Medicinal Chemistry III	2	7303110
Total 18			

Fourth Year – Second Semester			
Course No	Course Name	C.H.	Prerequisite
7301408	Cases in Clinical Toxicology	3	7109307
7301503	Clinical Pharmacy II	3	No change
7301504	Drug Information	2	7109307
7302501	Pharmaceutical Legislation	1	No change
7302507	Over-the-Counter Medications	2	7109307
10231317	Pharmaceutical Instrumental Analysis	3	10231217
7303911	Clinical Pharmacokinetics	2	No change
10231318	Practical Pharmaceutical Instrumental Analysis	1	Prerequisite or Synchronous 10231317
7304303	Pharmaceutics I Lab.	1	No change
Total 18			

Fourth Year – Summer Semester			
Course No	Course Name	C.H.	Prerequisite
700502	Research Project for Pharmacy	3	7303906
7302505	Community Pharmacy Clerkship	3	7109307
11000108	Community Service	1	
Total 7			

Fifth Year – First Semester			
Course No	Course Name	C.H.	Prerequisite
7303901	Marketing and Pharmaceutical Drug Promotion	2	7302301
7303902	and Rational Pharmaco-Economics Use of Drugs	2	7301403
7303903	Computer Applications and Artificial Intelligence in Pharmacy	2	11000128

7304304	Cosmetics	2	No change
7304305	Cosmetics Lab.	1	No change
7304402	Industrial Pharmacy Lab	1	No change
7303505	Pharmaceutical Quality Control	1	No change
	University Compulsory Course	2	
Total 13			

Fifth Year – Second Semester			
Course No	Course Name	C.H.	Prerequisite
Completion of pharmacy training. At the end of the second semester, the graduation project is discussed, and the student applies for the pharmacy training exam.			
	Major Elective Course	3	

Major Elective Course			
Prerequisite	C.H.	Course Name	Course No
7004006	Mathematics for Health Sciences	3	No change
7004007	Principles of Accounting	2	No change
7104203	Human Genetics	2	No change
7105404	General Microbiology Lab.	1	No change
7106402	Environmental Toxicology	2	No change
7227208	History of Medicine and Pharmacy	1	No change
7227402	Forensic Science	3	No change
7232301	Alternative Medicine	2	No change
7301407	Clinical Use of Antibiotics	3	7109307
7301506	Drugs in Pregnancy & Lactation	3	7109307
7302302	Patient Education and Counseling	1	7109307
7302504	Veterinary Medical Products	2	7109307
7303305	Phytochemistry (Lab.)	1	7303304
7303403	Drug Metabolism	2	7109307 7303110
7303405	Synthesis of Drugs	3	7303110
7303406	Phytotherapy	2	
7303407	Green Pharmacy	2	

7303912	Medicinal Chemistry Lab.	1	10231255 7303110
7303914	Pharmaceutical Nanotechnology	3	No change
7304403	Pharmaceutical Excipients	2	No change
7304404	Pharmaceutical Sterilization	2	No change
7304502	Pharmacokinetics (lab.)	1	No change
7304505	Biotechnology Products	3	No change
10631300	Innovation and Entrepreneurship	3	
7305551	Immune Pharmacogenomic course	2	7109306