

B Pharm Study Plan

Total Credits: 167; Total duration: 5 years

Type of Courses	Cr. Hrs.
1. University General Education Requirements	18
(a) University Required Courses	18
2. College Requirements	149
(a) College Required Courses	119
(b) College Required Training Courses	24
(c) College Graduation Project Course	3
(d) College Electives Course	3
Total Credit Hours	167

First Year - Fall Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC111	Introduction to Pharmacy and the Healthcare System	2			2	---
PHC112	Pharmaceutical Organic Chemistry I	2	2		3	---
PHC113	Principles of Human Anatomy and Physiology I	2	2		3	---
ENG115	Advanced English Communication Skills	3			3	---
EMS112	Emirates Society	3			3	---
STA112	Statistics	3			3	---
	Total	15	4		17	

First Year - Spring Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC121	Pharmaceutical Analysis I	2	2		3	-
PHC122	Pharmaceutical Organic Chemistry II	2	2		3	PHC112
PHC123	Principles of Human Anatomy & Physiology II	2	2		3	PHC113
XXXXXX	Medical Liability	3			3	No
AIH111	Artificial Intelligence Applications in Health Sciences	3			3	No
	Total	12	6		15	

Second Year - Fall Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC231	Pharmaceutical Calculations	2			2	-
PHC232	Biochemistry I	2	2		3	PHC122; PHC123
PHC233	Microbiology	2	2		3	PHC123
PHC234	Pharmaceutical Analysis-II	2	2		3	PHC121
PHC235	Artificial Intelligence in Pharmacy	3			3	AIH111
IES112	Innovation, Entrepreneurship and Sustainability	3			3	No
	Total	14	6		17	

Second Year - Spring Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC241	Drug Information and Literature Evaluation	2			2	PHC111
PHC242	Introduction to Health Economics	2			2	PHC111
PHC243	Biochemistry II	2	2		3	PHC232
PHC244	Pharmaceutical Analysis-III	2	2		3	PHC234
PHC245	Pharmaceutical Technology - Unit Operations	2	2		3	PHC231
PHC246	Pharmacology-I	2		2	3	PHC232
	Total	12	6	2	16	

Third Year - Fall Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC351	Biostatistics and Research Design	2			2	STA112
PHC352	Immunology	2			2	PHC243
PHC353	Pharmacy Management & Marketing	2			2	PHC111
PHC354	Medicinal Chemistry I	2	2		3	PHC243
PHC355	Pharmaceutical Dosage Forms I (Solutions)	2	2		3	PHC245
PHC356	Pharmacology-II	2		2	3	PHC246
PHC357	Phytochemistry	2	2		3	PHC122 &PHC244
	Total	14	6	2	18	

Third Year - Spring Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC361	Infection control and antimicrobial stewardship	2			2	PHC352
PHC362	Pharmaceutical Biotechnology	2			2	PHC352
PHC363	Medicinal Chemistry II	2		2	3	PHC354
PHC364	Pharmaceutical Dosage Forms II (Coarse dispersions and semisolids)	2	2		3	PHC355
PHC365	Pharmacology-III	2		2	3	PHC356
PHC366	Phytotherapy	2		2	3	PHC357
	Total	12	2	6	16	

Fourth Year - Fall Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC471	Pharmacoepidemiology and Pharmacovigilance	2			2	PHC365
PHC472	Pharmacogenomics and Personalized Medicine	3			3	PHC362 & PHC365
PHC473	Pharmaceutical Dosage Forms III (Solid DFs)	2	2		3	PHC364
PHC474	Pharmacotherapy I	2		2	3	PHC365
PHC475	Introductory Pharmacy Practice Experience (IPPE): Community Pharmacy Training-I				3	After completion of 99 CH
XXXXX	College Elective Course	3			3	According to the selected course
	Total	12	2	2	17	

Fourth Year - Spring Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC481	OTC and Self Care	2			2	PHC473; PHC474
PHC482	Pharmaceutical Dosage Forms IV (Sterile Dosage forms)	2	2		3	PHC473
PHC483	Pharmacotherapy II	2		2	3	PHC474
PHC484	Graduation Project				3	After completion of 116 CH
PHC485	Biopharmaceutics & Pharmacokinetics	3	2		4	PHC473
PHC486	Introductory Pharmacy Practice Experience (IPPE): Community Pharmacy Training-II				3	PHC475
	Total	9	4	2	18	

Fifth Year - Fall Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC591	Digital Pharmacy and Health informatics	2			2	PHC 235
PHC592	Pharmacoeconomics	2			2	PHC242& PHC483
PHC593	Pharmacy Law and Ethics	2			2	PHC483
PHC594	Applied Pharmacokinetics	2		2	3	PHC485
PHC595	Pharmacotherapy III	2		2	3	PHC483
PHC596	Toxicology	2		2	3	PHC472
PHC597	Introductory Pharmacy Practice Experience (IPPE): Pharmaceutical Technology Training				2	PHC482
	Total	12		6	17	

Fifth Year - Spring Semester

Course No.	Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHC5101	Advanced Pharmacy Practice Experience (APPE): Critical Care				3	After completion of 151 CH
PHC5102	Advanced Pharmacy Practice Experience (APPE): Infectious Disease				3	After completion of 151 CH
PHC5103	Advanced Pharmacy Practice Experience (APPE): Hospital Pharmacy Training				3	After completion of 151 CH
PHC5104	Advanced Pharmacy Practice Experience (APPE): Oncology & Surgery				3	After completion of 151 CH
PHC5105	Advanced Pharmacy Practice Experience (APPE): Internal Medicine				4	After completion of 151 CH
	Total				16	

College Elective Courses No.	Elective Course Title	Contact and Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
PHCE1	Drug discovery and development	2	0	2	3	PHC363
PHCE2	Gene Therapy	3	0	0	3	PHC362
PHCE3	Public Health Education	3	0	0	3	PHC111
PHCE4	Radiopharmacy	2	0	2	3	PHC363; PHC364