

Programs	
Bachelor of Doctor of Pharmacy (Pharm.D)	
Overview	The Doctor of Pharmacy (Pharm.D) program is one of the newest programs in pharmacy which is considered as one of the developments in the traditional pharmacy programs (Bachelor of Pharmacy or Bachelor of Pharmaceutical Sciences). The student obtains a Doctor of Pharmacy (Pharm.D) degree after completing five academic years in addition to the internship year (clinical training), during which the student studies pharmaceutical sciences and clinical skills, which qualifies the student to work as a pharmacist and increases the chances of completing graduate studies and specialization in one of the disciplines of clinical pharmacy.
Objectives	Prepare, develop and train students to be qualified and provide optimal treatment and counselling to patients and community and to be an active member of the medical team treating patients
Outcomes	Prepare qualified pharmacists to help in raising drug awareness and appropriate use of medications among community, which helps to the quality of life and reduce healthcare cost.
Potential Jobs	The holder of the bachelor's degree of Doctor of Pharmacy (Pharm.D) can work in all pharmacy areas including: academic, government hospitals, private hospitals, primary healthcare centres, community pharmacies, pharmaceutical companies and governmental and regulatory agencies responsible for the pharmaceutical field.

Study Plan of the Program of Doctor of Pharmacy (Pharm.D)

Course ID	Course Title	Credit Hours	Contact Hours	Pre-requisite
First Year: First Term				
11030115	English Language-1	٦	١٨	-
11020101	Information Technology Skills	٢	٣	-
20032111	Medical Professional skills	٢	٢	-
20032112	Innovation in Medicine	٢	٢	-
First Year: Second Term				
11030215	English Language-2	٢	٦	١١٠٣٠١١٥
11030011	Special English	١	٣	-
20042121	General Chemistry	٣	٤	-
20032121	Biology	٣	٤	-
20012121	Medical Physics	٣	٤	-
20042122	Organic Chemistry	٣	٤	-
Second Year: First Term				
20042211	Pharmaceutical Organic Chemistry	٤	٥	20042122
20042212	Biochemistry-1	٢	٢	20042122
20022211	Anatomy and Histology	٤	٥	20032121
20022212	Physiology-1	٣	٤	20032121
11010111	Islamic Education (The Islamic Civilization)	٢	٢	-
20042213	Medical Terminology-1	١	١	-
20022213	Pharmacy Orientation	١	١	-
Second Year: Second Term				
20012221	Pharmaceutics-1	٣	٤	20022213
20032221	Pharmacognosy	٣	٤	20032121
20042221	Biochemistry-2	٣	٤	20042212
20022221	Physiology-2	٢	٢	20022212 20022211
20042222	Pharmaceutical Analytical Chemistry	٣	٤	20042121
20012222	Pharmaceutical Mathematics	٢	٢	-
20042223	Medical Terminology-2	١	١	20042213
Third Year: First Term				
20022311	Pathophysiology-1	٣	٤	20022221
20042311	Pharmacology-1	٤	٥	20022221 20042221
20042312	Medicinal Chemistry-1	٣	٣	20042211
20032311	Microbiology	٢	٣	20032121
20012311	Physical Pharmacy	٢	٢	20012222
20042313	Biostatistics	٢	٢	20012222

20042314	Clinical Biochemistry and Nutrition	۲	۲	20042221
Third Year: Second Term				
20032321	Immunology	۲	۲	20032311
20042321	Medicinal Chemistry-2	۳	۴	20042312
20012321	Biopharmaceutics and Pharmacokinetics	۳	۳	20012311
20022321	Pathophysiology-2	۲	۲	20022311
20042322	Pharmacology-2	۴	۵	20042311
20022322	Professional Communication Skills	۱	۱	-
20022323	Pharmacy Law and Ethics	۱	۱	-
11010101	Islamic Education (The Islamic Manners)	۲	۲	-
Introductory Pharmacy Practice Experience (IPPE-1): Students should be committed to their assignments for a minimum of 200 hours training (in a community pharmacy) during the summer.				
Fourth Year: First Term				
20042411	Pharmacology-3	۳	۳	20042322
20032411	Clinical Microbiology	۳	۴	20032311
20042412	Medicinal Chemistry-3	۳	۳	20042321
20022411	Pharmacotherapeutics-1	۵	۶	20042322
20032412	Natural Products Chemistry	۳	۳	20032221
20022412	Research Methodology	۱	۱	20042313
Fourth Year: Second Term				
20022421	Pharmacogenomics and Pharmacogenetics	۲	۲	20022411
20022422	Patient Safety	۱	۱	20022411
20012421	Pharmaceutics-2	۳	۴	20012221
20032421	Molecular Biology	۲	۲	20032411 ۴۲۲۲۱200
20022423	Pharmacotherapeutics-2	۵	۶	20022411
20032422	Complementary and Alternative Medicine	۲	۲	20032412
11020107	The Holy Koran (Recitation Correction)	۲	۲	-
Intermediate Pharmacy Practice Experience (IPPE-2): Students should be committed to their assignments for a minimum of 200 hours training (in a primary healthcare centre pharmacy) during the summer.				
Fifth Year: First Term				
20022511	Pharmacotherapeutics-3	۶	۷	20022423
20012511	Pharmaceutics-3	۳	۳	20012421
20022512	Clinical Pharmacokinetics	۲	۲	20012321
20022513	Patient Assessment	۱	۲	20022221
20022514	First Aid	۱	۲	20042411
20032511	Pharmaceutical Biotechnology	۱	۱	20032421
20022515	Drug Information	۲	۲	20042411

20022516	Public Health	۱	۱	20022423
Fifth Year: Second Term				
20022521	Pharmacotherapeutics-4	۵	۶	20022511
20022522	Pharm. D. Seminar	۱	۲	20022511
20022523	Pharmacy Management	۲	۲	20022511
20042521	Toxicology	۲	۲	20042411
20022524	Pharmacoepidemiology and Pharmacoeconomics	۲	۲	20022511
20022525	Social and Behavioral Sciences	۱	۱	20022511
11010112	Essay and Research Writing	۲	۲	-
Electives				
۲۰۰۱۲۵۲۱	Industrial Pharmacy	۳	۳	۲۰۰۱۲۵۱۱
۲۰۰۲۲۵۲۶	Pharmacy Practice	۳	۳	۲۰۰۲۲۵۱۱
Summer semester				
۲۰۰۲۲۵۳۱	Clerkship - 1	۷	۴۲	All the previous courses and internships
Sixth Year: First Term				
۲۰۰۲۲۶۱۱	Clerkship - 2	۱۴	۴۲	۲۰۰۲۰۵۳۱
Sixth Year: Second Term				
۲۰۰۲۲۶۲۱	Clerkship - 3	۱۴	۴۲	۲۰۰۲۰۶۱۱

