

BSc {Pharm} Degree Program Curricular Summary- 2017- 2018 AY

1. Overall Degree Structure for BSc (Pharm)

Description	Credit Hours	
	BSc (Pharm)	PharmD
Core Curriculum	33	33
College Core	17	17
• Supporting courses	6	6
• General Science Courses	11	11
Pharmacy Major Requirements	115	151
Pharmacy Major Electives	8	8
TOTAL	173	209
Average Credit Hours/Year	35	35

2. Core Curriculum ¹

Category	Course#	Course Name	Credit Hours	Total
Core Curriculum				
Common Package	ARAB100	Arabic Language I	3	
	ENGL202	English Language I Post Foundation	3	
	ENGL203	English Language II Post Foundation	3	
	DAWA111	Islamic Culture	3	
	TOTAL CREDIT HOURS			
Social/ Behavioral Sciences Package ²	ECON111	Principles of Microeconomic	3	
	ECON112	Principles of Macroeconomics	3	
	EDUC203	Family Relationships	3	
	EDUC320	Human Development	3	
	INTA102	Introduction to Political Science	3	
	INTA203	Women in Islam	3	
	INTA206	Globalization	3	
	MCOM103	Media and Society	3	
	PUBH202	Health Behavior and Society	3	
	PSYC205	Social Psychology	3	
	PSYC206	Introduction to Social Psychology	3	
	SOCI120	Introduction to Sociology	3	
	SOCI121	Introduction to Anthropology	3	
	SOCI263	Badawi Society	3	
	SOCI363	Ethnicity	3	
SOCI467	Globalization	3		
HONS102	Honors Freshman Seminar for Social Sciences (Honors Program Students Only)	3		
Social/ Behavioral	SOW0101	Introduction to Social Work	3	

Category	Course#	Course Name	Credit Hours	Total
Sciences Package ²	SOW0311	Social and Cultural Diversity	3	
	SOW0361	Society and Human Rights	3	
	Total Credit Hours			3
Humanities/Fine Arts package ²	HIST121	History of Qatar	3	
	HIST222	The Gulf in Modern Period	3	
	HIST323	Gulf-South Asian Relations in the Modern and Contemporary History	3	
	HIST421	The Gulf and the Arab World	3	
	TOTAL CREDIT HOURS			3

Category	Course#	Course Name	Credit Hours	Prerequisites	Total
Natural Science/ Mathematics package ²	MATH101	Calculus	3	Options ³	
	TOTAL CREDIT HOURS				3
Supplemental College/Program Core Requirements Package	CHEM101	General Chemistry I	3	-	
	CHEM103	Experimental General Chemistry I	1	-	
	CHEM239	Physical Chemistry (with lab)	4	CHEM101,103	
	CHEM351	Basic Biochemistry	3	BIOL101, CHEM209	
	CHEM352	Experimental Biochemistry	1	CHEM351	
TOTAL CREDIT HOURS					12
GRAND TOTAL					33

¹Applies to both BSc (Pharm) and PharmD Degree

² One course only

³ MATH 004 or MATH P100 2! SAT 550 or ACT 24 or (EA at least 82 and CLM at least 95)

3. College Core

Category	Course#	Course Name	Credit Hours	Contact Hours		Prerequisites	Total
				T	P		
Supporting Courses	BIOL101	Biology (with lab)	3	2	3	-	-
	STAT151	Introduction to Applied Statistics	3	3	0	-	-
	TOTAL CREDIT HOURS						

Category	Course#	Course Name	Credit Hour	Contact Hours		Prerequisites	Total
				T	P		
	BIOM211	Human Anatomy (with Lab)	3	3	3	-	-
	BIOM215	Human Physiology (with Lab)	3	2	3	BIOL101	-



General Science Courses	BIOM243	Introduction to Pathology	2	2	0	-	-
	CHEM209	Fundamentals in Organic Chemistry (with Lab)	3	3	3	CHEM101 & CHEM103	
	TOTAL CREDIT HOURS						



4. Pharmacy Major Requirements

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	P	
PHAR200	Medicinal Chemistry I	2	2	0	-
PHAR201	Medicinal Chemistry II	2	2	0	PHAR200
PHAR210	Pharmaceutics I	3	2	3	-
PHAR220	Foundations of Pharmacology & Pharmacotherapeutics I	1	1	0	-
PHAR221	Foundations of Pharmacology & Pharmacotherapeutics II	1	1	0	-
PHAR230	Pharmacy & Health Care I	2	2	0	-
PHAR231	Pharmacy & Health Care II	2	2	0	PHAR230
PHAR240	Professional Skills I	2	1	2	-
PHAR241	Professional Skills II	2	1	2	PHAR240
PHAR250	Microbiology for Pharmacy	3	2	3	-
PHAR305	Pharmacy Research, Evaluation & Presentation Skills I	1	1.5	0	-
PHAR306	Pharmacy Research, Evaluation & Presentation Skills II	1	1.5	0	-
PHAR310	Pharmaceutics II	2	1	3	PHAR210
PHAR311	Pharmaceutics III	2	2	2	PHAR310
PHAR316	Pharmacokinetics I	1	2	0	-
PHAR317	Pharmacokinetics II	1	2	0	-
PHAR320	Pharmacology I	2	2	0	PHAR221
PHAR321	Pharmacology II	2	2	0	PHAR320
PHAR330	Structured Professional Practice Experience I(4wks)	4	0	160	-
PHAR340	Professional Skills III	2	1	2	PHAR241
PHAR341	Professional Skills IV	2	1	2	PHAR340
PHAR350	Pharmacy Ethics & Law	1	1	0	-
PHAR359	Interpretation of Lab Data I	1	1	0	-
PHAR360	Interpretation of Lab Data II	1	1	0	-
PHAR361	Patient Assessment Laboratory I	1	1.5	0	-
PHAR362	Patient Assessment Laboratory II	1	1.5	0	-
PHAR370	Pathophysiology I	1	1.5	0	-
PHAR371	Pathophysiology II	1	1.5	0	-
PHAR380	Pharmacotherapy I	3	3	0	PHAR221
PHAR381	Pharmacotherapy II	3	3	0	PHAR380
PHAR390	Integrated Case-Based Learning I	2	2	0	-
PHAR391	Integrated Case-Based Learning II	2	2	0	PHAR390
PHAR405	Pharmacy Research, Evaluation & Presentation Skills III	1	1.5	0	PHAR306



PHAR406	Pharmacy Research, Evaluation & Presentation Skills IV	1	1.5	0	PHAR405
PHAR410	Pharmaceutics IV	2	2	0	PHAR311
PHAR415	Toxicology	2	2	0	-
PHAR420	Pharmacology III	2	2	0	PHAR321
PHAR421	Pharmacology IV	2	2	0	PHAR420
PHAR425	Pharmacognosy, Alternative/Complementary	2	2	0	-



	Treatments				
PHAR430	Structured Professional Practice Experience II (4wks)	4	0	160	PHAR330
PHAR440	Professional Skills V	2	1	2	PHAR341
PHAR441	Professional Skills VI	2	1	2	PHAR440
PHAR450	Health Care Delivery Systems	1	1	0	-
PHAR470	Pathophysiology III	1	1.5	0	PHAR371
PHAR471	Pathophysiology IV	1	1.5	0	-
PHAR480	Pharmacotherapy III	3	3	0	PHAR381
PHAR481	Pharmacotherapy IV	3	3	0	PHAR480
PHAR485	Pediatrics/Geriatrics	1	1	0	-
PHAR490	Integrated Case-Based Learning III	2	2	0	PHAR391
PHAR491	Integrated Case-Based Learning IV	2	2	0	PHAR490
PHAR505	Pharmacy Research, Evaluation & Presentation Skills V	1	1.5	0	PHAR406
PHARS06	Pharmacy Research, Evaluation & Presentation Skills VI	1	2	0	PHARS05
PHAR525	Pharmacoepidemiology & Pharmacoeconomics	2	2	0	-
PHAR530	Structured Professional Practice Experience III (4wks)	4	0	160	PHAR430
PHARS31	Structured Professional Practice Experience IV (4wks)	4	0	160	-
PHAR532	Structured Professional Practice Experience V (4wks)	4	0	160	-
PHAR533	Structured Professional Practice Experience VI (4wks)	4	0	160	-
PHAR535	Pharmacy management	2	2	0	-
PHAR590	Integrated Case-Based Learning V	2	2	0	PHAR491
	TOTAL CREDIT HOURS (BSc (Pharm))	115			

5. Pharmacy Major Electives

Course#	Course Name	Credit Hour	Contact Hours		Prerequisites
			T	P	
PHAR444	Drugs in Sport	2	0	4	-
PHAR445	Rx Elective I	2	0	4	-
PHAR446	Rx Elective II	3	0	6	-
PHAR545	Rx Elective III	3	0	6	-



	TOTAL CREDIT HOURS	8			
--	--------------------	---	--	--	--

Professional Year - 1- Fall Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	p	
BIOM211	Human Anatomy (with lab)	3	3	3	-



BIOM215	Human Physiology (with lab)	3	2	3	BIOL101
CHEM351	Basic Biochemistry	3	3	0	BIOL101, CHEM211
CHEM352	Experimental Biochemistry	1	0	3	CHEM351
PHAR200	Medicinal Chemistry I	2	2	0	-
PHAR220	Foundations of Pharmacology & Pharmacotherapeutics I	1	1	0	-
PHAR230	Pharmacy & Health Care I	2	2	0	-
PHAR240	Professional Skills I	2	1	2	-
	TOTAL CREDIT HOURS	17			

Professional Year- 1- Spring Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	p	
BIOM243	Introduction to Pathology	2	2	0	-
STAT151	Applied Statistics	3	2	2	-
PHAR201	Medicinal Chemistry II	2	2	0	PHAR200
PHAR210	Pharmaceutics I	3	2	3	-
PHAR221	Foundations of Pharmacology & Pharmacotherapeutics II	1	1	0	-
PHAR231	Pharmacy & Health Care II	2	2	0	PHAR230
PHAR241	Professional Skills II	2	1	2	PHAR240
PHAR250	Microbiology for Pharmacy	3	2	3	-
	TOTAL CREDIT HOURS	18			

Professional Year - 2- Fall Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	p	
PHAR305	Pharmacy Research, Evaluation & Presentation Skills I	1	1.5	0	-
PHAR310	Pharmaceutics II	2	1	3	PHAR210
PHAR316	Pharmacokinetics I	1	2	0	-
PHAR320	Pharmacology I	2	2	0	PHAR221
PHAR340	Professional Skills III	2	1	2	PHAR241
PHAR359	Interpretation of Lab Data I	1	1	0	-
PHAR361	Patient Assessment Laboratory I	1	1.5	0	-
PHAR370	Pathophysiology I	1	1.5	0	-
PHAR380	Pharmacotherapy I	3	3	0	PHAR221
PHAR390	Integrated Case-Based Learning I	2	2	0	-
	TOTAL CREDIT HOURS	16			

Professional Year - 2- Spring Semester



Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	p	
PHAR306	Pharmacy Research, Evaluation & Presentation Skills II	1	1.5	0	-
PHAR311	Pharmaceutics III	2	2	2	PHAR310
PHAR317	Pharmacokinetics II	1	2	0	-
PHAR321	Pharmacology II	2	2	0	PHAR320



PHAR341	Professional Skills IV	2	1	2	PHAR340
PHAR350	Pharmacy Ethics & Law	1	1	0	-
PHAR360	Interpretation of Lab Data II	1	1	0	-
PHAR362	Patient Assessment Laboratory II	1	1.5	0	-
PHAR371	Pathophysiology II	1	1.5	0	-
PHAR381	Pharmacotherapy II	3	3	0	PHAR380
PHAR391	Integrated Case-Based Learning II	2	2	0	PHAR390
	TOTAL CREDIT HOURS	17			

Professional Year - 2- Summer Course

Course#	Course Name	Credit Hour	Contact Hours		Prerequisites
			T	P	
PHAR330	Structured Professional Practice Experience I(4wks)	4	0	160	-
	TOTAL CREDIT HOURS	4			

Professional Year - 3- Fall Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	P	
PHAR405	Pharmacy Research, Evaluation & Presentation Skills III	1	1.5	0	PHAR306
PHAR410	Pharmaceutics IV	2	2	0	PHAR311
PHAR415	Toxicology	2	2	0	-
PHAR420	Pharmacology III	2	2	0	PHAR321
PHAR440	Professional Skills V	2	1	2	PHAR341
PHAR444	Drugs in Sport	2	0	4	-
PHAR445	Rx Elective I	2	0	4	-
PHAR450	Health Care Delivery Systems	1	1	0	-
PHAR470	Pathophysiology III	1	1.5	0	PHAR371
PHAR480	Pharmacotherapy III	3	3	0	PHAR381
PHAR490	Integrated Case-Based Learning III	2	2	0	PHAR391
	TOTAL CREDIT HOURS	18			

Professional Year - 3- Spring Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	P	
PHAR406	Pharmacy Research, Evaluation & Presentation Skills IV	1	1.5	0	PHAR405
PHAR421	Pharmacology IV	2	2	0	PHAR420



PHAR425	Pharmacognosy, Alternative/Complementary Treatments	2	2	0	-
PHAR441	Professional Skills VI	2	1	2	PHAR440
PHAR446	Rx Elective II	3	0	6	-
PHAR471	Pathophysiology IV	1	1.5	0	-
PHAR481	Pharmacotherapy IV	3	3	0	PHAR480
PHAR485	Pediatrics/Geriatrics	1	1	0	-
PHAR491	Integrated Case-Based Learning IV	2	2	0	PHAR490



Professional Year - 3- Summer Semester

Course#	Course Name	Credit Hours	Contact Hours		Prerequisites
			T	P	
PHAR430	Structured Professional Practice Experience II (4wks)	4	0	160	PHAR330
TOTAL CREDIT HOURS		4			

Professional Year- 4 (BSc Final year)- Fall Semester

Course#	Course Name	Credit Hour	Contact Hours		Prerequisites
			T	P	
PHARSOS	Pharmacy Research, Evaluation & Presentation Skills V	1	1.5	0	PHAR406
PHARS30	Structured Professional Practice Experience III (4wks)	4	0	160	PHAR430
PHARS31	Structured Professional Practice Experience IV (4wks)	4	0	160	-
PHARS32	Structured Professional Practice Experience V (4wks)	4	0	160	-
PHARS33	Structured Professional Practice Experience VI (4wks)	4	0	160	-
TOTAL CREDIT HOURS		17			

Professional Year - 4 (BSc Final year)- Spring Semester

Course#	Course Name	Credit Hour	Contact Hours		Prerequisites
			T	P	
PHARS06	Pharmacy Research, Evaluation & Presentation Skills VI	1	2	0	PHARSOS
PHARS25	Pharmacoepidemiology & Pharmacoeconomics	2	2	0	-
PHARS35	Pharmacy management	2	2	0	-
PHARS45	Rx Elective III	3	0	6	-
PHAR590	Integrated Case-Based Learning V	2	2	0	PHAR491
TOTAL CREDIT HOURS		10			

Moha

Dr. Mohammad Diab
Dean, College of Pharmacy
Qatar University

