

Proposed BSc (Pharm) Degree Program
Curricular Summary for Academic Year 2018-19 and after

1. Overall Degree Structure for BSc (Pharm)

Description	Credit Hour	
	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 Hour/Year	35	35

2. Core Curriculum ¹

Category	Course #	Course Name	Credit Hour	Total
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			12
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	3	
	SOW0101	Introduction to Social Work	3	
	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	3	
	HIST421	The Gulf and the Arab World	3	
	Total Credit Hours			3

Category	Course #	Course Name	Credit Hour	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, CHEM103	
	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

²One course only

³Pre-calculus MATH P100 or SAT 550 or ACT 24 or ACCUPLACER (Elementary Algebra 082 and College Level Math 095.)

3. College Core

Category	Course #	Course Name	Credit Hour	Contact Hours		Prerequisites	Total
				T	P		
Supporting Courses	MEDI102	Medical Education	3	3	0	-	-
	PUBH151	Biostatistics	3	3	0	-	-
	Total Credit Hours						6

Category	Course #	Course Name	Credit Hour	Contact Hours		Prerequisites	Total
				T	P		
General Science Courses	BIOM243	Introduction to Pathology	2	2	0	-	-
	CHEM209	Fundamentals in Organic Chemistry (with Lab)	3	3	3	CHEM101 & CHEM103	
	MEDI101	Human Structure and Function I	3	2	3	-	
	MEDI103	Human Structure and Function II	3	2	3	MEDI101	
	Total Credit Hours						11



4. Pharmacy Major Requirements

Course #	Course Name	Credit Hour	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	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 Treatments	2	2	0	-
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
PHAR506	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
PHAR531	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			

6. Pharmacy Professional Years

Professional Year -1- Fall Semester

Course #	Course Name	Credit Hour	Contact Hours		Prerequisites
			T	P	
CORE	Core Curriculum Course	3	3	0	-
MATH101	Calculus	3	3	0	
CHEM351	Basic Biochemistry	3	3	0	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 Hour	Contact Hours		Prerequisites
			T	P	
BIOM243	Introduction to Pathology	2	2	0	-
CORE	Core Curriculum Course	3	3	0	-
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 Hour	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 Hour	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 Semester

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 Hour	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 Hour	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
Total Credit Hours		17			

Professional Year -3- Summer Semester

Course #	Course Name	Credit Hour	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 Hours	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			

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