

**Pharmaceutical Sciences**  
**Pharmacy**

**Study Program : Bachelor**  
**Study Plan Type : Major**  
**Academic Year : 2022**

The requirements to obtain a Bachelor degree is :-

\* The minimum requirements to get a Bachelor degree in / Pharmacy / is to pass 165 credit hours, according to this study plan.

\* The credit hours are distributed to get a Bachelor degree as follows :-

	Number of credit hours
<b>University Requirements</b>	<b>27.000</b>
<b>Compulsory</b>	<b>18.000</b>
<b>Elective</b>	<b>9.000</b>
<b>Faculty Requirements</b>	<b>34.000</b>
<b>Compulsory</b>	<b>34.000</b>
<b>Specialization Requirments</b>	<b>104.000</b>
<b>Compulsory</b>	<b>95.000</b>
<b>Elective</b>	<b>9.000</b>
<b>Pre-requist Courses</b>	<b>0.000</b>
	<b>0.000</b>
<b>Total :</b>	<b>165.000</b>

**University Requirements Credit Hours : 27**  
**Requirement type : Compulsory Credit Hours :18**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Pre - Requisite</b>
2116011101	Arabic Communication Skills	3.000	3.000	0.000	121601099
2116021101	English Communication Skills	3.000	3.000	0.000	121602099
2214041117	Military Science	3.000	3.000		
1714041118	National Education	3.000	3.000	0.000	
2114041123	Leadership and Social Responsibility	2.000	2.000	0.000	
2114041124	Enterpreneurship and Innovation	2.000	2.000	0.000	
2114041125	Life Skills	2.000	2.000	0.000	

**University Requirements Credit Hours : 27**  
**Requirement type : Elective Credit Hours :9**

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite
1804001128	Cyber Hygiene	3.000	3.000	0.000	110108099
2210031100	digital culture	3.000	3.000	0.000	
1916033201	Italian Language (2)	3.000	3.000	0.000	1716031101
1916034101	Russian Language (1)	3.000	3.000	0.000	
1916034102	Russian Language (2)	3.000	3.000	0.000	
1916034201	Japanese (2)	3.000	3.000	0.000	1716031102
1916035101	Turkish Language (1)	3.000	3.000	0.000	
1916036101	Korean Language (1)	3.000	3.000	0.000	
1916036102	Korean Language(2)	3.000	3.000	0.000	1916036101
1916037101	German Language (1)	3.000	3.000	0.000	
1916038101	Chinese Language (1)	3.000	3.000		
1916039101	Polish Language (1)	3.000	3.000	0.000	
1714041101	University Life of Student	3.000	3.000		
1714041102	Introduction to Psychology	3.000	3.000		
1714041104	Family and Child Education	3.000	3.000		
1714041107	Citizenship and Human Rights	3.000	3.000		
1714041110	Islam Current Issues	3.000	3.000		
1714041111	Islamic Thought	3.000	3.000		
1714041112	Jerusalem : Histroy and Civilization	3.000	3.000		
1714041113	Citizenship and Human Rights	3.000	3.000	0.000	
1714041114	Histroy and Civilization of Jordan	3.000	3.000		
1714041115	Sociology	3.000	3.000		
1714041116	Archaeology and Tourism	3.000	3.000		
1714041120	Economic and Management Science	3.000	3.000		
1714041121	Law and Ordering of Our Life	3.000	3.000		

**University Requirements Credit Hours : 27**  
**Requirement type : Elective Credit Hours :9**

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite
1714041122	Principles of Sign Language	3.000	3.000		
1714041126	Humanistic Moral and Values Education	3.000	3.000		
1714041127	Conflict Resolution and Accept Others	3.000	3.000		
1714041128	Culultural Heritage in Jordan	3.000	3.000		
1914041130	Integrity Transperancy and anti - Corruption	3.000	3.000	0.000	
1714041193	Palestinian Cause	3.000	3.000		
1714041194	Arabic Language and Current Issues	3.000	3.000		
1814041195	Disability and Healthy Community	3.000	3.000		
1814041197	Selected Topics in National Trends	3.000	3.000		
1814041198	Education for Sustainable Development	3.000	3.000		
1814041199	Adjustment and Mental Health	3.000	3.000		
1814041200	Introduction to Education	3.000	3.000		
1914042111	Media Education	3.000	3.000	0.000	
2101081139	Physical Culture	3.000	3.000	0.000	
2201081140	Development and Environment	3.000	3.000	0.000	
0110108104	Energy and its Sources	3.000	3.000	0.000	
0110108113	Biotechnology and Society	3.000	3.000	0.000	
0110108114	Automobile Essentials	3.000	3.000	0.000	
0110108115	Computer Ethics	3.000	3.000	0.000	
0110108130	Health and Nutrients	3.000	3.000	0.000	
0110108131	Health Education and First Aid	3.000	3.000	0.000	
0110108132	Sport and Health	3.000	3.000	0.000	
0140108134	Ethics in Natural Science	3.000	3.000	0.000	
0170108135	Reproductive Health	3.000	3.000	0.000	
0140108166	Pharmaceutical Edification	3.000	3.000	0.000	

**University Requirements Credit Hours : 27**  
**Requirement type : Elective Credit Hours :9**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Pre - Requisite</b>
0121601105	Applied Arabic Language	3.000	3.000		
0121602102	Applied English Language	3.000	3.000	0.000	
0121602103	Technical Translation	3.000	3.000	0.000	
0141603101	Italian Language	3.000	3.000		
0151603102	Japanese Language ( Level 1 )	3.000	3.000	0.000	
0121603201	Spanish Language (1)	3.000	3.000		

**Faculty Requirements Credit Hours : 34**  
**Requirement type : Compulsory Credit Hours :34**

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite
1917021251	Anatomy and Histology	2.000	2.000	0.000	110108105
1917031210	Pharmaceutical Organic Chemistry (1)	3.000	3.000	0.000	1701081137
1801041103	General Practical Biology (1)	1.000	0.000	3.000	110108105 synchronous
1701081136	General Physics (1)	3.000	3.000	0.000	
1701081137	Basics of General Chemistry	3.000	3.000	0.000	
0110103108	Basics of General Chemistry Laboratory	1.000	0.000	3.000	110103107 synchronous OR 1701081137 synchronous
0110103211	Analytical Chemistry	3.000	3.000	0.000	110103102 OR 110103107
0110103213	Analytical Chemistry Laboratroy	1.000	0.000	3.000	( 110103105 OR 110103108 ) AND 110103211 synchronous
0110108101	Calculus (1)	3.000	3.000	0.000	
0110108105	General Biology (1)	3.000	3.000	0.000	
0110108116	Computer Skills	3.000	3.000	0.000	( 1001103 AND 1001104 ) OR ( 110108099 OR 1011100 )
0131702221	Biochemistry	3.000	3.000		( 1917031210 OR 110103236 ) AND 110108105
0131702222	Biochemistry - Practical	1.000	0.000	3.000	131702221 synchronous
0131702252	Physiology	4.000	4.000		131702251 synchronous OR 1917021251 synchronous

**Specialization Requirments Credit Hours : 104**  
**Requirement type : Compulsory Credit Hours :95**

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite
1917011231	Pharmaceutical Calculations and Compounding	3.000	3.000	0.000	110103211
1917011334	Physical Pharmacy - Practical	1.000	0.000	3.000	131701333 synchronous AND 110103213
1917011461	Ethics and Pharmaceutical Legistlation	1.000	1.000	0.000	131702368
1917011575	Pharmaceutical Quality Control and Regulatory Affairs	3.000	3.000	0.000	131701471 synchronous
1917021241	Pharmaceutical Statistics	2.000	2.000	0.000	110108101
1917021253	Pathophysiology	3.000	3.000	0.000	131702252
1917021343	Pharmacokinetics	3.000	2.000	3.000	131701342
1917021463	Pharmacology (3)	3.000	3.000	0.000	131702362
1917021567	Hospital Pharmacy	1.000	0.000	3.000	131702566 synchronous
1917021577	Drug Informatics	1.000	1.000	0.000	
1917031211	Pharmaceutical Organic Chemistry (2)	2.000	2.000	0.000	1917031210
1917031315	Pharmaceutical Instrumental Analysis	3.000	3.000	0.000	1917031211 AND 110103211
1917031323	Medicinal Chemistry (1)	3.000	3.000	0.000	1917031211
0131701232	Pharmaceutical Calculations and Compounding - Practical	1.000	0.000	3.000	( 131701231 synchronous OR 1917011231 synchronous ) AND 110103108
0131701317	Physical Pharmacy ( 1 )	2.000	2.000		131701231 OR 1917011231
0131701333	Physical Pharmacy ( 2 )	2.000	2.000		131701317
0131701334	Sterilization and Aseptic Manufacturing	2.000	2.000		131701354
0131701341	Pharmaceutical Microbiology-Practical	1.000	0.000	3.000	131701334 synchronous
0131701342	Biopharmaceutics	2.000	2.000		131702221
0131701354	Pharmaceutical Microbiology	2.000	2.000		131702221
0131701436	Industrial Pharmacy ( 1 )	2.000	2.000		131701333
0131701437	Industrial Pharmacy ( 1 ) - Practical	1.000	0.000	3.000	131701436 synchronous

**Specialization Requirments Credit Hours : 104**  
**Requirement type : Compulsory Credit Hours :95**

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite
0131701438	Non-Prescription Drugs and Parapharmaceuticals	2.000	2.000	0.000	131702463 synchronous OR 1917021463 synchronous
0131701471	Industrial Pharmacy ( 2 )	2.000	2.000		131701436
0131701472	Industrial Pharmacy ( 2 ) - Practical	1.000	0.000	3.000	131701471 synchronous
0131701539	Cosmetics	3.000	3.000		131701436
0131701576	Pharmaceutical Biotechnology	2.000	2.000		131702458
0131701578	Technical Writing Skills	1.000	1.000		131702473
0131702361	Pharmacology ( 1 )	3.000	3.000	0.000	131702253 OR 1917021253
0131702362	Pharmacology ( 2 )	3.000	3.000	0.000	131702361
0131702368	Community Pharmacy ( 1 )	2.000	0.000	26.250	131702362
0131702426	Clinical Biochemestry	2.000	2.000	0.000	( 1917021253 OR 131702355 ) AND 131702221
0131702456	Toxicology	2.000	2.000	0.000	131702361
0131702457	Communication Skills and Pharmaceutical Care	2.000	2.000	0.000	131702368
0131702458	Immunology and Vaccines	2.000	2.000	0.000	131701354
0131702464	Pharmacotherapy ( 1 )	3.000	3.000	0.000	131702362
0131702465	Pharmacotherapy Case Studies ( 1 )	1.000	0.000	3.000	131702464 synchronous
0131702469	Community Pharmacy ( 2 )	2.000	0.000	26.250	131702464
0131702473	Pharmaceutical Marketing and Management	2.000	2.000	0.000	131702457
0131702474	Phytotherapy	2.000	2.000	0.000	131703313
0131702545	Pharmacoeconomics	1.000	1.000	0.000	131702473
0131702566	Pharmacotherapy ( 2 )	3.000	3.000	0.000	131702463 OR 1917021463
0131702567	Pharmacotherapy Case Studies ( 2 )	1.000	0.000	3.000	131702566 synchronous
0131703212	Pharmaceutical Organic Chemistry - Practical	1.000	0.000	3.000	131703211 synchronous OR 1917031211 synchronous
0131703313	Pharmacognosy and Phytochemistry	3.000	3.000	0.000	131703211 OR 1917031211



**Specialization Requirments Credit Hours : 104**  
**Requirement type : Compulsory Credit Hours :95**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Pre - Requisite</b>
0131703314	Pharmacognosy and Phytochemistry - Practical	1.000	0.000	3.000	131703313 synchronous
0131703316	Pharmaceutical Instrumental Analysis - Practical	1.000	0.000	3.000	131703315 synchronous OR 1917031315 synchronous
0131703424	Medicinal Chemistry (2)	2.000	2.000	0.000	131703323 OR 1917031323
0131703425	Medicinal Chemistry -Practical	1.000	0.000	3.000	131703424 synchronous

**Courses - Not Allowed To Study Credit Hours : 0**  
**Requirement type : Credit Hours :0**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Pre - Requisite</b>
2117021250	Pharmacology for Nursing	3.000	3.000	0.000	140501221 synchronous OR 2005001221 synchronous
2117021251	Pharmacology for Applied Health Sciences	3.000	3.000	0.000	140501221 OR 2005011221
0110501425	Pharmacology	3.000	3.000		110501222

**Pre-Requist Courses Credit Hours : 0**  
**Requirement type : Credit Hours :0**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Pre - Requisite</b>
0001001096	Computer Skills Test	0.000	0.000	0.000	
0110108099	Computer Skills/ Prerequisite	3.000	3.000	0.000	1001096
0002110096	Arabic Placement Test	0.000	0.000	0.000	
0002120096	English Placement Test	0.000	0.000	0.000	
0121601099	Arabic Language / Pre-requisite	3.000	3.000		2110096
0121602099	English Language / Pre-requisite	3.000	3.000		2120096

free study materials are (3) credit hours, The student chooses it from any of the courses offered by the university departments.