



I: University Requirements: 25 Credit Hours

A. Remedial Requirements (0 Credit Hours): Students must sit for placement tests in English, Arabic, and Computer. Students who fail any of these tests are required to take the corresponding remedial course 0900099, 0900097, or 0900096, respectively.

B. University Compulsory Course Requirements: 12 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		Prerequisite
			Lecture	Lab	
0900101	Sports (1)	1	0	3	-
0900103	Swimming	1	0	2	-
0900110	Cultural Development (1)	1	0	2	-
0900111	Military Science*	3	3	0	-
0900130	English Communication Skills (1)	3	3	0	0900099**
0900131	English Communication Skills (2)	3	3	0	0900130

* Non-Jordanian students may take a university elective course instead.

** Or passing the placement test.

C. University Elective Course Requirements: 13 Credit Hours

Humanities: 7 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		Prerequisite
			Lecture	Lab	
0900113	Interpersonal and Intercultural Communication	3	3	0	-
0900117	Civic Awareness	3	3	0	-
0900120	Arabic Communication Skills	3	3	0	0900097*
0900140	Appreciation of Art	3	3	0	-
0900141	Appreciation of Music	3	3	0	-
0900163	Modern life skills	3	3	0	-
0900164	Creativity and Innovation	3	3	0	-
0900201	Sports (2)	1	0	3	0900101
0900202	Sports (3)	1	0	3	0900201
0900210	Cultural Development (2)	1	0	2	0900110
0900211	Cultural Development (3)	1	0	2	0900210

* Or passing the placement test.

Social and Economic Sciences: 3 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		Prerequisite
			Lecture	Lab	
0900114	Civilization and Thought	3	3	0	-
0900115	Social Ethics	3	3	0	-
0900150	Introduction to Economics*	3	3	0	-
0900160	Entrepreneurship and Enterprises	3	3	0	-

* Not for Business and Finance Students

Science, Technology, Agriculture and Health: 3 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		Prerequisite
			Lecture	Lab	
0900116	Bio-Ethics	3	3	0	-
0900170	Energy and the Environment	3	3	0	-
0900171	Science and Society	3	3	0	-
0900180	Computer Skills*	3	2	2	0900096**

* Not for Information Technology Students.

** Or passing the placement test.

II. Faculty Requirements: 24 Credit Hours

Compulsory Requirements: 24 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		PreRequisite / ** Concurrent
			Lecture	Lab.	
0301213	Pathophysiology	3	3	0	0301221
0301221	Human Physiology	3	3	0	0304131 + **0301226
0301226	Human Physiology Lab	1	0	3	**0301221
0301232	Biochemistry *	3	3	0	0902111
0303111	Fundamentals of Nutrition	3	3	0	0201101
0304131	Human Anatomy and Histology	3	3	0	0201101 + **0304136
0304136	Human Anatomy and Histology Lab	1	0	3	**0304131
0304213	Analytical Chemistry	3	3	0	0902101 + **0304218
0304218	Analytical Chemistry Lab	1	0	3	**0304213
0304231	Basic Microbiology ***	3	3	0	0201101

* Pharmacy Students are required to take the course concurrent with 0301237 (Biochemistry Lab)

*** Medical Lab students are required to take the course concurrent with 0301241 (Basic Microbiology Lab)

III. Department Requirements: 113 Credit Hours

A. Compulsory Requirements: 86 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		PreRequisite / ** Concurrent
			Lecture	Lab.	
0304210	Chemistry of Heterocycles	1	1	0	0304211
0304211	Pharmaceutical Organic Chemistry	2	2	0	0902111 + **0304216
0304215	Clinical Biochemistry	2	2	0	0301232
0304216	Pharmaceutical Organic Chemistry Lab	1	0	3	**0304211
0304219	Physical Pharmacy	3	3	0	0904103
0304311	Medicinal Chemistry (1)	2	2	0	0304211
0304312	Medicinal Chemistry (2)	2	2	0	0304311 + **0304317
0304313	Pharmaceutical Instrumental Analysis	2	2	0	0304213 + **0304318
0304314	Pharmacognosy and Phytochemistry	3	3	0	0304211 + **0304319
0304317	Medicinal Chemistry (2) Lab	1	0	3	**0304312
0304318	Pharmaceutical Instrumental Analysis Lab	1	0	3	**0304313
0304319	Pharmacognosy and Phytochemistry Lab	1	0	3	**0304314
0304321	Pharmaceutics (1)	3	3	0	0304219 + **0304326
0304322	Pharmaceutics (2)	2	2	0	0304321 + **0304327
0304326	Pharmaceutics Lab (1)	1	0	3	**0304321
0304327	Pharmaceutics Lab (2)	1	0	3	**0304322
0304331	Pharmacology (1)	3	3	0	**0301213
0304332	Pharmacology (2)	3	3	0	0304331 + **0304337
0304337	Pharmacology Lab (2)	1	0	3	**0304332
0304341	Phytotherapy and Homoeopathic Remedies	2	2	0	0304314
0304411	Medicinal Chemistry (3) / Chemotherapy	2	2	0	0304312 + **0304416

0304416	Medicinal Chemistry Lab (3)	1	0	3	**0304411
0304421	Pharmaceutical Technology (1)	2	2	0	0304322 + **0304426
0304422	Biopharmaceutics	2	2	0	0304332
0304423	Pharmaceutical Technology (2)	2	2	0	0304421 + **0304428
0304424	Ethics and Pharmacy Practice	1	1	0	0304322
0304425	Cosmetics Preparations	2	2	0	0304341
0304426	Pharmaceutical Technology Lab (1)	1	0	3	**0304421
0304428	Pharmaceutical Technology Lab (2)	1	0	3	**0304423
0304431	Pharmacology (3)	3	3	0	0304332
0304432	Pharmaceutical Microbiology and Biotechnology	2	2	0	0304231 + **0304437
0304433	Therapeutics (1)	2	2	0	0304431 + **0304438
0304434	Immunology and Vaccines	2	2	0	0304432
0304435	Community Pharmacy	3	-	-	Completion of 99 Cr. Hrs.
0304437	Pharmaceutical Microbiology and Biotechnology Lab	1	0	3	**0304432
0304438	Therapeutics Lab (1)	1	0	3	**0304433
0304521	Pharmacokinetics	3	3	0	0304422 + **0304526
0304526	Pharmacokinetics Lab	1	0	3	**0304521
0304531	Therapeutics (2)	2	2	0	0304433 + **0304536
0304532	Clinical Nutrition	2	2	0	0304215
0304533	Patient Counseling	2	2	0	0304433
0304536	Therapeutics Lab (2)	1	0	3	**0304531
0304541	Drug Delivery Systems	3	3	0	0304423
0304542	Protein and Gene Therapy	2	2	0	0304434
0304543	Marketing and Pharmacoeconomics	3	3	0	0304424
0304544	Pharmacogenetics	2	2	0	0304332

B. Electives Requirements: 9 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		PreRequisite / ** Concurrent
			Lecture	Lab.	
0304511	Toxicology	3	3	0	0304332
0304512	Drug Design	3	3	0	0304411
0304522	Advanced Pharmaceutical Technology	3	3	0	0304423
0304534	Advanced Pharmaceutical Biotechnology	3	3	0	0304432
0304535	Advanced Pharmaceutical Microbiology	3	3	0	0304434
0304537	Advanced Therapeutics	3	3	0	0304531
0304538	Communication Skills in Pharmacy	3	3	0	0304543
0304545	Drug Registration and Approval	3	3	0	0304322
0304550	Selected Topics 1	1	1	0	Department Approval
0304551	Selected Topics 2	2	2	0	Department Approval

C. Ancillary Requirements: 18 Credit Hours

Course No	Course Title	Credit Hours	Contact Hours		PreRequisite / ** Concurrent
			Lecture	Lab.	
0201101	General Biology (1)	3	3	0	**0201107
0201107	General Biology Lab (1)	1	0	3	**0201101
0301237	Biochemistry Lab	1	0	3	**0301232
0902101	General Chemistry (1)	3	3	0	**0902107
0902107	General Chemistry Lab (1)	1	0	3	**0902101
0902111	Organic Chemistry for Health Sciences	3	3	0	0902101
0902117	Organic Chemistry Lab for Health Sciences	1	0	3	**0902111
0903231	Statistics for Health Sciences	2	2	0	-

0904103	Physics for Health Sciences	3	3	0	-
---------	-----------------------------	---	---	---	---

IV. Free Electives: 3 Credit Hours

Students may choose any course(s) offered by the University in accordance with University regulations.