



**Study Plan for Bachelor Degree  
in Pharmacy (2011-2012)  
(160 Credit Hours)**

**First: University Requirements (27 Credit Hours)**

**1- University Compulsory: ( 12 Credit Hours )**

Module No.	Module Name	Credit hours	Prereq.	Mark
114101	Arabic Language Skills (1)	3	114099	
111100	Military Sciences	3	----	
111101	National Education	3	----	
130101	English Language Skills (1)	3	130099	

**2- University Electives : ( 15 credit hours )**

(The student studies (15) credit hours from the following areas with a minimum of one module from each area and a maximum of two modules)

**a. Sciences of Humanity Area (3 - 6) Credit Hours**

Module No.	Module Name	Credit hours	Prereq.	Mark
114102	Arabic Language Skills (2)	3	114101	
130103	English Language Skills (3)	3	130102	
140101	French Language Skills (1)	3	---	
140104	Foreign Language (Italian 1)	3	---	
140105	Foreign Language (Italian 2)	3	140105	
140106	Foreign Language (Hebrew 1)	3	---	
140109	Foreign Language (chinese 1)	3	---	
140110	Foreign Language (chinese 2)	3	140109	

**b. Sciences of Social and Economic Area (3 - 6) credit hours**

Module No.	Module Name	Credit hours	Prereq.	Mark
111111	Introduction to Sociology	3	---	
111112	Introduction to Psychology	3	---	
111133	Human thoughts and Civilization1	3	----	
115255	Culture of Development	3	---	
9920140	Human rights	3	---	
420123	legal culture			

**c. The Area of Science, Technology, Agriculture, and Health (3-6) Credit Hours**

Module No.	Module Name	Credit hours	Prereq.	Mark
910101	Health Promotion of Individuals and Community	3	---	
910105	Principles of nursing and First Aid	3	---	
371111	Project management skills	3	.....	
731101	social media skills	3	.....	
761111	Computer Skills	3	750099	

**Second: Faculty Requirements (24 Credit Hours)**

Module No.	Module Name	Credit hours	Prereq.	.Co-req
130102	English Language Skills (2)	3	130101	
250101	Calculus	3	-	
211105	General Physics	3		
212101	General Chemistry (1)	3		
240101	General Biology (1)	3		
510111	Pharmaceutical Organic Chemistry (1)	3	212101	
510112	Pharmaceutical Organic Chemistry (1) Practical	1		510111
510131	Human Anatomy and Histology	2	240101	
510211	Pharmaceutical Organic Chemistry (2)	3	510111	

**Third major requirements:(109)credit hours**

**Mandatory requirements of the specialty (100) credit hours**

Module No.	Module Name	Credit hours	Prereq.	.Co-req
510113	Pharmaceutical Analytical Chemistry	2	212101	
510114	Pharmaceutical Analytical Chemistry Practical	1		510113
510212	Instrumental chemical analysis	2	510113	
510213	Instrumental chemical analysis practical	1		510212
510214	Pharmaceutical Biochemistry (1)	3	510111	
510215	Pharmaceutical Biochemistry (2)	3	510214	
510216	Pharmaceutical Biochemistry (2) Practical	1		510215
510217	Phytochemistry and Pharmacognosy	3	510211	
510218	Phytochemistry and Pharmacognosy Practical	1		510217
510219	Physical Pharmacy	2	211105	
510231	Physiology (1)	3	510131	
510232	Physiology (2)	3	510231	
510233	Physiology (2) Practical	1		510232
510311	Pharmaceutical Medicinal Chemistry (1)	2	510217	
510312	Pharmaceutical Medicinal Chemistry (2)	3	510311	
510313	Pharmaceutical Medicinal Chemistry (2) Practical	1		510312
510321	Pharmaceutics (1)	3	510219	
510322	Pharmaceutics (1) Practical	1		510321
510323	Pharmaceutics (2)	3	510321	
510324	Pharmaceutics (2)Practical	1		510323
510331	Pharmacology (1)	3	510214	
510332	Microbiology and Immunology	2	240101	
510333	Microbiology and Immunology practical	1		510332
510334	Pharmaceutical Microbiology	2	510332	

510335	Pharmacology (2)	3	510331	
510336	Pharmacology (2)Practical	1		510335
510411	Pharmaceutical Medicinal Chemistry (3)	3	510312	
510412	Drug Design	2	510411	
510413	Clinical Biochemistry	3	510215	
510414	Clinical Biochemistry Practical	1		510413
510421	Cosmetics	2	510323	
510422	Cosmetics Practical	1		510421
510423	Pharmacokinetics and Biopharmaceutics (1)	3	510335	
510424	Pharmacokinetics and Biopharmaceutics (2)	2	510423	
510425	Pharmacokinetics and Biopharmaceutics (2)practical	1		510424
510426	Industrial Pharmacy	3	510323	
510427	Industrial Pharmacy practical	1		510426
510431	Pharmacology (3)	3	510335	
510432	Pathophysiology	2	510232	
510521	Pharmacoeconomics	1	510323	
510522	Pharmaceutical legislation and ethics	1	510431	
510531	Clinical Pharmacy & Therapeutics (1)	2	510335	
510535	Clinical Pharmacy & Therapeutics (1)Practical	1		510531
510532	Clinical Pharmacy & Therapeutics (2)	2	510531	
510533	Clinical Pharmacy & Therapeutics (2)Practical	1		510532
510534	Toxicology	3	510335	
510541	Pharmaceutical Biotechnology	3	510215	
510542	Phytotherapy	3	510217	
510543	Advanced Pharmaceutical technology	3	510426	
510544	Advanced Pharmaceutical technology practical	1		510543
510545	Pharmaceutical marketing	2	510323	

**b- Elective Courses (9) Credit hours**

Module No.	Module Name	Credit hours	Prereq.	.Co-req
510451	Parasitology	3	240101	
510452	Molecular Pharmacology	3	510331	
510453	Gene Therapy	3	510215	
510551	Community pharmacy	3	510335	
510552	Pharmaceutical quality control and assurance	3	510323	
510553	Special Topics		Dept. approval	