

## Study Plan for a Bachelor Degree in Pharmacy 2022/2023

(160) Credit Hours

**First: Compulsory University Requirements: (12 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
01101101	3	Military Sciences	Jordanian only
01101102	3	National Education	Jordanian only
01101111	3	Arabic Language	**01100011
01101112	3	English Language	**01100012

**Second: Elective: 12 Credit Hours from the following courses**

Course No.	Cr. Hr.	Course Title	Prerequisite
01101103	3	Traffic Education	
01101104	3	Innovation and Entrepreneurship	
01101121	3	Life Skills	
01101131	3	Islamic Education	
01101132	3	Jerusalem and the Hashemite Custodianship	
01101141	3	Sport and Health	
01101142	3	Environment and Society	
01101151	3	Computer Skills	
01101152	3	Internet and Communication	
01101161	3	Economic Systems and Concepts	
01101171	3	Psychology and Society	
01101213	3	Communication Skills in Arabic	01101111
01101214	3	Communication Skills in English	01101112
01101243	3	Safety and First Aid	
01101281	3	Scientific Research Methods	
01101282	3	Introduction to Astronomy	
03011101	3	Law in our Life	
03021201	3	Human Rights	

**Third: Faculty Requirements: (27 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05011205	3	Mathematics and Pharmaceutical Statistics	-
05011102	3	General Chemistry for Pharmacy	-
05011103	3	General Biology for Pharmacy	-
05011212	3	Pharmaceutical Organic Chemistry	05011102
05011215	1	Pharmaceutical Organic Chemistry Lab.	05011212 C
05011200	2	Anatomy and Histology	05011103
05011207	1	Anatomy and Histology Lab.	05011200 C
05011208	3	Physiology	05011207 C
05012110	3	Pharmaceutical Biochemistry	05011215
05012116	1	Pharmaceutical Biochemistry Lab.	05012110 C
05012113	3	Pharmaceutical Instrumental Analysis	05011215
05012118	1	Pharmaceutical Analytical Chemistry and Instrumental Analysis Lab	05012113 C

**Fourth: Program Compulsory Requirements (106 Credit Hours)**

**- Program Compulsory Requirements: (97 Credit Hours)**

Course No.	Cr. hr.	Course Title	Prerequisite
05011113	3	Physical Pharmacy	-
05011114	1	Physical Pharmacy Lab.	05011113 C
05012107	3	Pathophysiology	05011208
05022121	3	Pharmacognosy	05011215
05022251	3	Pharmaceutical Dosage Forms	05011113
05022252	1	Pharmaceutical Dosage Forms Lab.	05022251C
05022220	3	Pharmacology (1)	05012107
05022210	3	Medicinal Chemistry (1)	05012116 05022220 C
05012217	3	Pharmaceutical Microbiology	05011207
05012218	1	Pharmaceutical Microbiology Lab.	05012217 C
05023153	3	Industrial Pharmacy	05022252
05023154	1	Industrial Pharmacy Lab.	05023153 C
05023120	3	Pharmacology (2)	05022220
05023112	3	Medicinal Chemistry (2)	05022210 05023120 C
05023113	1	Medicinal Chemistry Lab.	05023112 C
05023125	2	Clinical Biochemistry	05012116
05023215	3	Phytochemistry	05022121
05023216	1	Phytochemistry Lab.	05023215 C
05013219	2	Immunology and Vaccines	05012218
05023223	3	Pharmacology (3)	05023120
05023214	3	Medicinal Chemistry (3)	05023113 05023223C
05023224	3	Biopharmaceutics & Pharmacokinetics	05023154
05023225	1	Biopharmaceutics & Pharmacokinetics Lab.	05023224C
05024125	3	Over the counter medications	05023120
05024155	3	Pharmaceutical Biotechnology	05023125
05024120	3	Clinical Pharmacy and Therapeutic (1)	05023120
05024131	1	Clinical Cases Lab (1)	05024120 C
05024126	2	Public Health and Clinical Nutrition	05023125
05024156	2	Drug Delivery	05022252
05024132	1	Pharmacy Legislation and Ethics	05023120
05024133	1	Pharmacy Practice Lab (1)	05023120
05024225	2	Toxicology	05023223

**- Program Compulsory Requirements: (97 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05024226	1	Pharmacology and Toxicology Lab.	05024225 C
05024220	3	Clinical Pharmacy and Therapeutic (2)	05024120
05024234	1	Clinical Cases Lab (2)	05024220 C
05024241	3	Experiential Training in Pharmacy Settings (1)	05023223
05024236	1	Pharmacy Practice Lab (2)	05024133
05024235	3	Pharmacoeconomics	05023120
05025122	3	Clinical Pharmacy and Therapeutic (3)	05024220
05015157	3	Drug Design	05023214
05025142	3	Experiential Training in Pharmacy Settings (2)	05024241
05025158	2	Cosmetics	05023154
05025220	1	Drug Information Lab	05023223
05025238	2	Evidence-Based Practice	05024120
05025259	1	Drug Regulatory Affairs	05024132
05025237	2	Pharmaceutical Marketing	05024235

**- Program Elective Requirements: (9 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05025160	3	Pharmaceutical principles and medicinal terminology	-
05025162	3	Drug Information	05023120
05025273	1	special topics in pharmacy 1	Graduation semester
05025264	3	special topics in pharmacy 2	Graduation semester
05025165	2	Pharmaceutical Quality Assurance	05023154
05025166	3	Communication Skills in Pharmacy	05024120
05015261	3	Research Project and Seminar	Graduation semester
05025269	3	Therapeutic Drug Monitoring	05023120
05025260	3	Advanced Pharmacology	05023120
05015264	3	Pharmacovigilance	05024120
05015163	1	Medical Parasites	05012218
05025164	3	Applied Pharmacognocny	05023216

**- Program Elective Requirements: (9 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05025265	2	Pharmaceutical Health Care	05024120
05025266	3	Hospital Pharmacy	05024120
05025267	3	Alternative Medicine	05023216
05015263	3	Epidemiology and Virology	05012218
05025268	3	Management in Pharmacy	05024235

**Guidance:**

Non Jordanian student are allowed substitutes for Military Sciences and National education if they choose to do so.

**Practical Pharmacy training:** This training should be accredited by the ministry of health and from the Jordanian Pharmaceutical Association for duration of (1440) hours, this training starts when the student has passed (70) credit hours.