



Study Plan for bachelor's degree
in Pharmacy (2022-2023)
(160 Credit Hours)

First: University Requirements (27 Credit Hours)

1-University Compulsory: (18 Credit Hours)

Course No.	Course Name	Credit hours	Pre req.
0115001	Military sciences*	3	---
0116101	National education	3	---
0116103	Communication skills (Arabic)	3	0116099
0116107	Communication skills (English 1)	3	0116098
0116108	Communication skills (English 2)	3	0116107
0116102	Leadership Skills, Creativity & Entrepreneurship	3	---
0116109	Community service	0	---

*Compulsory for Jordanian students, and optional for non-Jordanian students. Non/Jordanian students can choose another course from University Electives.

2- University Electives: (9 credit hours)

(The student studies (9) credit hours from the following: -

Course No.	Course Name	Credit hours	Pre req.
0116105	Thinking skills	3	-----
0116133	Thought and human civilization	3	-----
0116111	Language skills (1) (European or Eastern Languages)	3	-----
0116112	Language skills (2) (European or Eastern Languages)	3	0116111
0116114	Introduction to project management	3	-----
0116140	Human rights	3	-----
0116143	Legal education	3	-----
0116106	Economic education	3	-----
0216104	Digital education	3	-----
0216102	Data analysis skills	3	-----
0216105	Health education	3	-----

- All students should sit for Placement Examination in Arabic, English and Computer Skills. Those who fail any of these exams (<50%) should study the respective remedial course
- All remedial courses are non-credit courses.
- Remedial Arabic 0116099
- Remedial English 0116098
- Remedial Computer Skills 0216099

Second: Faculty Requirements (23 Credit Hours)

Course No.	Course Name	Credit hours	Pre req.
0216122	Mathematics and biostatistics	3	----
0216145	General chemistry for health science	3	----
0216155	Biology for health science students	3	----
0510120	Pharmaceutical organic chemistry (1)	3	0216145
0521122	Anatomy and physiology (1)	3	0216155
0521123	Pharmaceutical analytical chemistry	2	0216145
0510123	Pharmaceutical analytical chemistry-Lab	1	Co-req 0521123
0521211	Pharmaceutical organic chemistry (2)	2	0510120
0510205	Pharmaceutical organic chemistry-Lab	1	Co-req 0521211
0521215	Anatomy and physiology (2)	2	0521122

Third major requirements :(110) credit hours

a-Mandatory requirements of the speciality (101) credit hours

Course No.	Course Name	Credit hours	Pre req.
0510206	Pharmaceutical instrumental analysis	3	0521123
0510207	Pharmaceutical instrumental analysis-Lab	1	Co-req 0510206
0520224	Physical pharmacy	3	0216122 *0216099+
0510220	Pharmaceutical biochemistry	3	0521211
0510221	Pharmacognosy and phytochemistry	3	0521211
0510222	Pharmacognosy and phytochemistry-Lab	1	Co-req 0510221
0520303	Pharmaceutics (1)	3	0520224
0520300	Pathophysiology	3	0521215
0510310	Pharmaceutical medicinal chemistry (1)	3	0521211
0520322	Pharmaceutics (2)	3	0520303
0520324	Pharmaceutics - Lab	1	Co-req 0520322
0520301	Microbiology and immunology	3	0510220
0520302	Microbiology and immunology - Lab	1	Co-req 0520301
0521321	Pharmaceutical medicinal chemistry (2)	2	0510310
0520325	Pharmaceutical microbiology	2	0520301
0510415	Clinical biochemistry	3	0510220
0510416	Clinical biochemistry - Lab	1	Co-req 0510415
0521411	Pharmaceutical medicinal chemistry (3)	2	0521321
0521412	Pharmaceutical medicinal chemistry-Lab	1	Co-req 0521411
0521511	Phytotherapy	2	0521323
0510513	Pharmaceutical biotechnology	3	0510415

* Passing Placement examination in computer skills or the respective remedial course

Course No.	Course Name	Credit hours	Pre req.
0521314	Pharmacology (1)	3	0520300
0520430	Cosmetics	2	0520322
0521323	Pharmacology (2)	3	0521314
0521413	Advanced pharmacology and toxicology	3	0521323
0520420	Industrial pharmacy	3	0520322
0520515	Pharmaceutical communication skills	1	0521314
0521416	Over-the-counter (OTC) medications	1	0521323
0521417	Pharmacy training I	3	0521314 and passing 90 credit hours
0520431	Biopharmaceutics and pharmacokinetics	3	0521323
0521422	Clinical nutrition	1	0521416
0521423	Clinical pharmacy and therapeutics (1)	3	0521323
0521424	Pharmaceutical technology	2	0520420
0520425	Pharmaceutical technology - Lab	1	Co-req 0521424
0521426	Pharmacy practice (1)	1	0521323
0520514	Pharmaceutical ethics and legislations	1	0521413
0521512	Clinical pharmacy and therapeutics (2)	3	0521423
0521513	Pharmacoeconomics	1	0521413
0521515	Pharmacy practice (2)	1	0521426
0521516	Automation and informatics of health care and pharmacy	1	0521413
0521517	Pharmacy training II	3	0521417
0521521	Clinical Pharmacy and therapeutics (3)	3	0521423 and 0521413
0521522	Clinical Cases - Lab	1	Co-req 0521521
0521523	Evidence based practice	3	0521512
0521524	Pharmaceutical marketing	3	0521513
0520516	Clinical pharmacokinetics	2	0520431
0520517	Clinical applications in pharmacokinetics - Lab	1	Co-req 0520516
0521527	Regulatory affairs	1	0521424

b- Elective Courses (9) Credit hours

Course No.	Course Name	Credit hours	Pre req.
0521531	Epidemiology and vaccinations	3	0521413
0521532	Gene therapy	3	0510513
0521533	Advanced drug delivery systems	3	0520420
0510525	Pharmaceutical quality control and assurance	3	0521424
0520526	Special topics	3	0521423
0510518	Drug design	3	0521411

-Note: Practical Pharmacist Training I and Practical Pharmacist Training 2 each equivalent to 160 actual training hours with a total of 320 hours for complete training. The place of training shall be the community pharmacy and it may include places other than the community pharmacy, not exceeding 50% of the minimum training hours.



13/12/2022