



**Study Plan for Bachelor Degree
in Pharmacy (2021-2022)
(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	---
0115100	National education	3	---
0114103	Communication and communication skills (Arabic language)	3	114099
0130107	Communication and communication skills (English 1)	3	130099
0130108	Communication and communication skills (English 2)	3	130107
0330103	Entrepreneurship	1	---
0115102	Leadership and social responsibility	1	---
0170101	Life skills	1	---
0115000	Student community service	0	---

2- University Electives : (9 credit hours)

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

Course No.	Course Name	Credit hours	Pre req.
0170102	Thinking skills	3	-----
0110133	Thought and human civilization (1)	3	-----
0140111	Language skills (1)	3	-----
0140112	Language skills (2)	3	-----
0670101	Development and environment	3	-----
0330111	Introduction to project management	3	-----
0420140	Human rights	3	-----
0420143	Legal culture	3	-----
0910102	Health education	3	-----
0320104	Economic culture	3	-----
0750101	Digital culture	3	-----
0750102	Data analysis skills	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.

Second: Faculty Requirements (23 Credit Hours)

Course No.	Course Name	Credit hours	Pre req.
0250109	Mathematics and biostatistics	3	----
0212109	General chemistry for health science	3	----
0240110	Biology for health science students	3	----
0510120	Pharmaceutical organic chemistry (1)	3	0212109
0521122	Anatomy and physiology (1)	3	0240110
0521123	Pharmaceutical analytical chemistry	2	0212109
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 specialty (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	0250109+ 0750099 *
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 1 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.



2023/5/19