



جامعة عجمان
AJMAN UNIVERSITY

College of Pharmacy and Health Sciences

Bachelor of Pharmacy (BPharm) Study Plan

4.5 Years

(160 Credit Hours)

June 2021

University Mandatory (21 C.H.*)

Course Code	Elective Name	Pre-requisite(s)
ARB111	Communication Skills in Arabic Language (3 C.H.)	
ISL114	Islamic Culture (3 C.H.)	
INN311	Innovation and Entrepreneurship (3 C.H.)	After completing 60 C.H.
COM111	IT Fundamentals (3 C.H.)	
STA112	Statistics (Health Sciences), (3 C.H.)	
BIO111	General Biology (3 C.H.)	
MTH111	Principles of Mathematics (3 C.H.)	

*C.H.: Credit Hour(s)

University Elective (9 C.H.)

Students have to study three courses of the University elective courses (one course of 3 C.H. from each course basket; Research Methodology (RES211) from Basket 3 must be taken), offered by the AU Unit of General Studies.

College Elective (3 C.H.)

Students have to study one course of the following (3 C.H.)

Course Code	Course Name	Pre-requisite(s)
PHA431	Complementary and Alternative Medicine (CAM)	Fourth Year and PHA370
PHA432	Arabic Language Competence in Pharmacy	Fourth Year and ARB111
PHA433	Pharmaceutical Technology Training	Fourth Year and PHA301
PHA420	Phytotherapy	Fourth Year and PHA370
PHA435	Novel Drug Delivery	Fourth Year and PHA301

Study Plan

First Year (40 C.H.)

LEVEL 1

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA100	Pharmacy and Communication Skills	3	3			
PHA110	Pharmaceutical Organic Chemistry I	3	2		2	
COM111	IT Fundamentals	3	2		2	
PHA130	Principles of Human Anatomy and Physiology I	3	2		2	
BIO111	General Biology	3	2		2	
MTH111	Principles of Mathematics	3	3	2		
	Total C.H.	18				

Lec.: Lecture; Tuto: Tutorial; Pr.: Practical; Pre-req.: Pre-requisite(s)

LEVEL 2

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA113	Pharmaceutical Organic Chemistry II	3	2		2	PHA110
PHA131	Principles of Human Anatomy & Physiology II	3	2		2	PHA130
PHA115	Biochemistry I	2	2			PHA110
STA112	Statistics (Health Sciences), (3 C.H.)	3	3	2		
PHA141	Principles of Pharmaceutical Care	3	2	2		PHA100
PHA150	Introductory Pharmacy Practice Experiences I*	2				PHA100
	Total C.H.	16				

* One training CH is equal to 40 training contact hours per week.

SUMMER SEMESTER AFTER LEVEL 2

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
ARB111	Communication Skills in Arabic Language (University Requirement)	3	3			
xxxxxx	University Elective 1	3	3			
	Total C.H.	6				

Second Year (35 C.H.)

LEVEL 3

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA201	Pharmaceutics I	3	2		2	PHA147
PHA260	Pharmaceutical Microbiology and immunology I	2	2			PHA115
PHA230	Pharmacology I	3	2	2		PHA115, PHA131
PHA216	Biochemistry II	3	2		2	PHA115
PHA222	Medicinal Chemistry I	3	2		2	PHA113
PHA225	Pharmaceutical Analysis I	3	2	2		PHA113
	Total C.H.	17				

LEVEL 4

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA251	Pharmaceutics II	3	2		2	PHA201
PHA231	Pharmacology II	3	2	2		PHA230
PHA223	Medicinal Chemistry II	2	2			PHA222
PHA261	Pharmaceutical Microbiology and Immunology II	3	2		2	PHA260
PHA226	Pharmaceutical Analysis II	3	2		2	PHA225
PHA220	Introductory Pharmacy Practice Experiences II	4				PHA150
	Total C.H.	18				

Third Year (35 C.H.)

LEVEL 5

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA301	Pharmaceutics III	3	2		2	PHA251
PHA302	Biopharmaceutics & Pharmacokinetics I	3	2		2	PHA251
PHA332	Pharmacology III	3	2	2		PHA231
RES211	Research Methodology (Univ Req)	3	3			
ISL114	Islamic Culture (Univ Req)	3	3			
PHA374	Therapeutics I	3	2	2		PHA231
	Total C.H.	18				

LEVEL 6

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA377	Drug Information & Literature Evaluation	3	2	2		RES211
PHA303	Biopharmaceutics and Pharmacokinetics II	3	2		2	PHA302
PHA379	Therapeutics II	3	2	2		PHA374
PHA380	Introductory Pharmacy Practice Experiences III	2				PHA220
PHA370	OTC & Drug Products	4	3	2		PHA374
PHA360	Pharmaceutical Biotechnology	2	2			PHA261 PHA216
	Total C.H.	17				

Fourth Year (34 C.H.)

LEVEL 7

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA476	Therapeutics III	3	2	2		PHA379
PHAxxx	College Elective	3	3			Fourth Year and PHAxxx
PHA484	Pharmacovigilance and Epidemiology	3	2	2		PHA377
PHA441	Principles and Practice of Toxicology	2	2			PHA332
PHA470	Regulatory Affairs in Pharmacy	3	2	2		PHA226 and PHA301
INN311	Innovation & Entrepren/ (University Requirement)	3	3			After 60 hrs
	Total C.H.	17				

LEVEL 8

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA415	Pharmacy Management and Marketing	3	3			PHA470
PHA434	Chemotherapy	3				PHA332
xxxxxx	University Elective 3	3	3			
PHA466	Pharmacoeconomics	3	3			PHA377
PHA478	Pharmacogenomics	2	2			PHA332
PHA450	Graduation Project	3				Fourth Year, PHA377
	Total C.H.	17				

Fifth Year (16 C.H.)

LEVEL 9 (Students will not be allowed to register any other course during this training semester)

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA590	Professional Practice Experience I (Internal Medicine)	4				PHA380 PHA476
PHA591	Professional Practice Experience II (Critical Care)	3				PHA380 PHA476
PHA592	Professional Practice Experience III (Community Pharmacy Practice)	3				PHA380 PHA476
PHA593	Professional Practice Experience IV (Hospital Pharmacy and Management)	3				PHA380 PHA476
PHA594	Professional Practice Experience V (Infectious disease)	3				PHA380 PHA476
	Total C.H.	16				

Bachelor of Pharmacy Total Credit Hours: 160 C.H.