



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 Obligatory (15 C.H.\*)

Course Code	Course Name	Pre-requisite(s)
ARB113	Arabic Written Expression (3 C.H.)	
ARB116	Arabic as a Foreign Language (3 C.H.)	
ISL114	Islamic Culture (3 C.H.)	
ISL112	Islamic Culture-Non Arabs (3 C.H.)	
INN311	Innovation and Entrepreneurship (3 C.H.)	After completing 60 C.H.
EMS112	Emirates Studies (3 C.H.)	
ENG113	Academic Writing (3 C.H.)	

\*C.H.: Credit Hour(s)

## University Elective (15 C.H.)

Students must complete **five “3C.H” university elective courses** (one from baskets 1,2 and 3, 2 from basket 4; Research Methodology (RES211) and General Statistics (STA114). These courses are all offered by the AU Unit of General Studies.

Set	Course Code	Course Name	Pre-requisite(s)
UEL-1	AID112	Community Based-First Aid	
UEL-1	INF112	Media Culture	
UEL-1	LAW112	Work Ethics	
UEL-1	LED111	Leadership & Team Building	
UEL-1	PSY111	General Psychology	
UEL-1	SSW111	Social Responsibility	
UEL-1	THI211	Critical Thinking	
UEL-2	ART111	Introduction to Art	
UEL-2	ART112	Intro. to Aesthetics	
UEL-2	ART113	Introduction to Performing Art	
UEL-2	FRE212	Francophone World Language and Culture	

UEL-2	ISH211	Islamic Civilization	
UEL-2	LAW106	Human Rights	
UEL-2	WLT115	World Literature	
UEL-3	BIO111	General Biology	
UEL-4	RES211	Research Methodology	
UEL-4	STA114	General Statistics	

### **College Elective (3 C.H.)**

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

<b>Course Code</b>	<b>Course Name</b>	<b>Pre-requisite(s)</b>
PHA431	Complementary and Alternative Medicine (CAM)	80 C.Hr and PHA370
PHA432	Arabic Language Competence in Pharmacy	80 C.Hr and ARB113 Or 80 C.Hr and ARB116
PHA433	Pharmaceutical Technology Training	80 C.Hr and PHA301
PHA420	Phytotherapy	80 C.Hr and PHA370
PHA435	Novel Drug Delivery	80 C.Hr 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	
PHA130	Principles of Human Anatomy and Physiology I	3	2		2	
EMS112	Emirates Studies	3	3			
BIO111	General Biology	3	2		2	
ENG113	Academic Writing	3	3			
	<b>Total C.H.</b>	<b>18</b>				

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
STA114	General Statistics	3	3	2		
PHA147	Principles of Pharmaceutical Care	3	2	2		PHA100
PHA150	Introductory Pharmacy Practice Experiences I*	2				PHA100
	<b>Total C.H.</b>	<b>16</b>				

\* 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.
ARB113	Arabic Written Expression (University Requirement)	3	3			
xxxxxx	University Elective 1	3	3			
	<b>Total C.H.</b>	<b>6</b>				

## Second Year (35 C.H.)

### LEVEL 3

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA254	Pharmaceutics I	3	2		2	PHA147
PHA264	Pharmaceutical Microbiology and immunology I	3	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
	<b>Total C.H.</b>	<b>18</b>				

### LEVEL 4

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA255	Pharmaceutics II	3	2		2	PHA254
PHA231	Pharmacology II	3	2	2		PHA230
PHA223	Medicinal Chemistry II	2	2			PHA222
PHA265	Pharmaceutical Microbiology and Immunology II	2	2			PHA264
PHA226	Pharmaceutical Analysis II	3	2		2	PHA225
PHA220	Introductory Pharmacy Practice Experiences II	4				PHA150
	<b>Total C.H.</b>	<b>17</b>				

### Third Year (35 C.H.)

#### LEVEL 5

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA301	Pharmaceutics III	3	2		2	PHA255
PHA302	Biopharmaceutics & Pharmacokinetics I	3	2		2	PHA255
PHA333	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
	<b>Total C.H.</b>	<b>18</b>				

#### LEVEL 6

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA377	Drug Information & Literature Evaluation	3	2	2		RES211, PHA374
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 Drugs & Products	4	3	2		PHA374
PHA360	Pharmaceutical Biotechnology	2	2			PHA265 PHA216
	<b>Total C.H.</b>	<b>17</b>				

## 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
PHA484	Pharmacovigilance and Epidemiology	3	2	2		PHA377
PHA442	Principles and Practice of Toxicology	2	2			PHA333
PHA470	Regulatory Affairs in Pharmacy	3	2	2		PHA226 and PHA301
INN311	Innovation & Entrepren/ (University Requirement)	3	3			After 60 hrs
	<b>Total C.H.</b>	<b>17</b>				

### LEVEL 8

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA415	Pharmacy Management and Marketing	3	3			PHA470
PHA434	Chemotherapy	3				PHA333
xxxxxx	University Elective 2	3	3			
PHA466	Pharmacoeconomics	3	3			PHA377
PHA478	Pharmacogenomics	2	2			PHA333
PHA450	Graduation Project	3				After 120 CH, PHA377
	<b>Total C.H.</b>	<b>17</b>				

## Fifth Year (16 C.H.)

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

<b>Course Code</b>	<b>Course Name</b>	<b>C.H.</b>	<b>Lec.</b>	<b>Tuto</b>	<b>Pr.</b>	<b>Pre-req.</b>
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
	<b>Total C.H.</b>	<b>16</b>				

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