



جامعة عجمان
AJMAN UNIVERSITY

College of Pharmacy and Health Sciences

Bachelor of Pharmacy (BPharm) Program Structure

September 2025

University Obligatory (18 C.H.*)

Course Code	Course Name	Pre-requisite(s)
EMS112	Emirati Studies (3 C.H.)	-
ENG104	Advanced English Writing (3 C.H.)	-
ENG211	Public Speaking (3 C.H.)	-
THI212	Critical Thinking and Quantitative Reasoning (3 C.H.)	-
INN333	Innovation & Sustainable Entrepreneurship (3 C.H.)	-
AIT111	Artificial Intelligence (3 C.H.)	-

*C.H.: Credit Hour(s)

University Elective (6 C.H.)

Students must complete a total of **two elective courses**. Only **one** course must be selected from each basket.

Set	Course Code	Course Name	Pre-requisite(s)
A: Humanities and Arts (3 C.H.)			
Basket 1	ART111	Introduction to Art	-
Basket 1	FRE211	Conversational French	-
Basket 1	HPS111	History and Philosophy of Science	-
Basket 1	LAW106	Human Rights	-
Basket 1	ISL114	Islamic Culture	-
Basket 1	WLT115	World Literature	-
Basket 1	COM103	Introduction to Film Studies	-
B: Natural Sciences (<u>Mandatory</u>) (3 C.H.)			
Basket 2	BIO111	General Biology	-

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 PHA370
PHA432	Arabic Language Competence in Pharmacy	Fourth year PHA101 PHA370
PHA433	Pharmaceutical Technology Training	Fourth year PHA301
PHA420	Phytotherapy	Fourth year PHA370
PHA435	Novel Drug Delivery	Fourth year PHA301

Summary of Credit Hours

- 1- University Obligatory Courses: 18 C.H.
- 2- University Elective Courses: 6 C.H.
- 3- College Obligatory Courses: 133 C.H.
 - Department of Clinical Sciences Courses: 93 C.H.
 - Department of Pharmaceutical Sciences Courses: 40 C.H.
- 4- College Elective Courses: 3 C.H.
- 5- Total Credit Hours: 160 C.H.

Study Plan

BPharm: First Year (40 C.H.)

LEVEL 1 BPharm

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA101	Communication Skills for Interprofessional Practice	3	2	2		
PHA110	Pharmaceutical Organic Chemistry I	3	2		2	
PHA130	Principles of Human Anatomy and Physiology I	3	2		2	
BIO111	General Biology (University Elective)	3	2		2	
ENG104	Advanced English Writing (University Requirement)	3	3			
-	University Elective	3	3			
	Total C.H.	18				

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

LEVEL 2 BPharm

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
PHA117	Biochemistry	2	2			PHA110
PHA116	Pharmaceutical Calculations	3	2		2	PHA101
PHA150	Introductory Pharmacy Practice Experiences I*	2				PHA101
-	University Requirement	3	3			
	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.
-	University Requirement	3	3			
-	University Requirement	3	3			
	Total C.H.	6				

BPharm: Second Year (35 C.H.)

LEVEL 3 BPharm

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA254	Pharmaceutics I	3	2		2	PHA116
PHA264	Pharmaceutical Microbiology and Immunology I	3	2		2	PHA117
PHA230	Pharmacology I	3	2	2		PHA117, PHA131
PHA217	Clinical Biochemistry	3	2		2	PHA117
PHA219	Medicinal Chemistry I	3	2		2	PHA113
PHA225	Pharmaceutical Analysis I	3	2		2	PHA113
	Total C.H.	18				

LEVEL 4 BPharm

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
PHA229	Medicinal Chemistry II	2	2			PHA219
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
	Total C.H.	17				

BPharm: Third Year (35 C.H.)

LEVEL 5 BPharm

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA301	Pharmaceutics III	3	2		2	PHA255
PHA304	Biopharmaceutics and Pharmacokinetics	3	2		2	PHA255
PHA333	Pharmacology III	3	2	2		PHA231
PHA306	Research Methodology for Pharmacy	3	3			
PHA374	Therapeutics I	3	2	2		PHA231
-	University Requirement	3	3			
	Total C.H.	18				

LEVEL 6 BPharm

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA377	Drug Information & Literature Evaluation	3	2	2		PHA306, PHA374
PHA314	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	3	2	2		PHA304
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 PHA217
	Total C.H.	17				

BPharm: Fourth Year (34 C.H.)

LEVEL 7 BPharm

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
PHA485	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 PHA301
-	University Requirement	3	3			-
	Total C.H.	17				

LEVEL 8 BPharm

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHA415	Pharmacy Management and Marketing	3	3			PHA470
PHA434	Chemotherapy	3				PHA333
PHA417	Principles of Pharmaceutical Care	3	2	2		PHA476
PHA466	Pharmacoeconomics	3	3			PHA377
PHA478	Pharmacogenomics	2	2			PHA333
PHA452	Capstone Project	3				Fourth year PHA377
	Total C.H.	17				

After level 8, students should choose ONE of the following options:

- 1- Proceed with level 9 and earn a BPharm degree or
- 2- Continue to complete the PharmD degree (Refer to the PharmD study plan).

BPharm: Fifth Year (16 C.H.)

LEVEL 9 BPharm

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				

Note: Students will not be allowed to register any other course during this training semester

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