



جامعة عجمان  
AJMAN UNIVERSITY

College of Pharmacy and Health Sciences

# Doctor of Pharmacy (PharmD) Program Structure

September 2026

## **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)
<b>A: Humanities and Arts (3 C.H.)</b>			
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>B: Natural Sciences (<u>Mandatory</u>) (3 C.H.)</b>			
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

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

Students have to select **one of the rotations** of the following (3 C.H.)

Course Code	Course Name	Pre-requisite(s)
PHP605	Nephrology	
PHP607	Pharmacy Administration	
PHP609	Cardiology	
PHP610	Oncology	
PHP611	Pain Management	
PHP612	surgery	

## Study Plan

### PharmD: First Year (40 C.H.)

#### LEVEL 1 PharmD

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			
	<b>Total C.H.</b>	<b>18</b>				

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

#### LEVEL 2 PharmD

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			
	<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.
-	University Requirement	3	3			
-	University Requirement	3	3			
	<b>Total C.H.</b>	<b>6</b>				

## PharmD: Second Year (35 C.H.)

### LEVEL 3 PharmD

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
	<b>Total C.H.</b>	<b>18</b>				

### LEVEL 4 PharmD

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
	<b>Total C.H.</b>	<b>17</b>				

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

### LEVEL 5 PharmD

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			
	<b>Total C.H.</b>	<b>18</b>				

### LEVEL 6 PharmD

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
	<b>Total C.H.</b>	<b>17</b>				

## PharmD: Fourth Year (34 C.H.)

### LEVEL 7 PharmD

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			-
	<b>Total C.H.</b>	<b>17</b>				

### LEVEL 8 PharmD

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
	<b>Total C.H.</b>	<b>17</b>				

## PharmD: Fifth Year (30 C.H.)

### LEVEL 9 PharmD

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHP500	Advanced Pharmacotherapy I	3	3			
PHP501	Advanced Pharmacotherapy II	3	3			
PHP502	Advanced Pharmacotherapy III	3	3			
PHP503	Sterile Compounding & Parenteral nutrition	2	2			
PHP504	Social Pharmacy and Public Health	3	3			
PHP505	Clinical Skills Lab	1			2	
	<b>Total C.H.</b>	<b>15</b>				

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

### LEVEL 10 PharmD

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHP506	Advanced Pharmacotherapy IV	3	3			
PHP507	Advanced Pharmacotherapy V	3	3			
PHP508	Directed Research	2	22			
PHP509	Digital Pharmacy Systems and Telehealth	2	3			
PHP510	Continuing Professional Development	2				
PHP511	Quality Assurance and Patient Safety in Healthcare	3	3			
	<b>Total C.H.</b>	<b>15</b>				

## PharmD: Sixth Year (40 C.H.)

(Students in Second year will take 7 Advanced Pharmacy Practice Experience + 1 Elective Pharmacy Practice Experience)

### LEVEL 11

Course Code	Course Name	C.H.	Lec.	Tuto	Pr.	Pre-req.
PHP600	*General Medicine I	5				
PHP601	*Communicable diseases	5				
PHP602	*Paediatrics	5				
PHP603	*Ambulatory Care	5				
	<b>Total C.H.</b>	<b>16</b>				

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



**LEVEL 12**

<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>
PHP604	Emergency Care	5				
PHP608	Drug information	5				
PHP606	Community Healthcare	5				
PHP6XX	Elective rotation	5				
	<b>Total C.H.</b>	<b>20</b>				

**PharmD Total Credit Hours: 214 C.H.**