جامعة عجمان
AJMAN UNIVERSITY

College of Pharmacy and Health Sciences

Study Plan Flowchart for PharmD Degree (2026-1)-6 Years

1st Year (40 C.H.)

Level 1 (18 C.H.)

- **Communication Skills for Interprofessional Practice** (PHA101), 3 C.H.
- **Pharmaceutical Organic Chemistry I** (PHA110), 3 C.H.
- **Principles of Anatomy & Physiology I** (PHA130), 3 C.H.
- **General Biology** (BIO111) **(University Elective)** 3 C.H.
- **Advanced English Writing** (ENG104) **(University Requirement)** 3 C.H.
- **University Elective** 3 C.H.

Level 2 (16 C.H.)

- **Pharmaceutical Calculations** (PHA116), 3 C.H. — PR: PHA101
- **Pharmaceutical Organic Chemistry II** (PHA113), 3 C.H. — PR: PHA110
- **Introductory Pharmacy Practice Experiences I** (PHA150), 2 C.H. — PR: PHA101
- **Principles of Anatomy & Physiology II** (PHA131), 3 C.H. — PR: PHA130
- **Biochemistry** (PHA117), 2 C.H. — PR: PHA110
- **University Requirement** 3 C.H.

Summer (6 C.H.)

- **University Requirement** 3 C.H.
- **University Requirement** 3 C.H.

PR = Prerequisite; **C.H.** = Credit Hour

The student can take summer courses in any summer semester upon advisor's approval

2nd Year (35 C.H.)

Level 3 (18 C.H.)

- **Pharmaceutics I** (PHA254), 3 C.H. — PR: PHA116
- **Pharm. Microbiology and Immunology I** (PHA264), 3 C.H. — PR: PHA117
- **Pharmacology I** (PHA230), 3 C.H. — PR: PHA117, PHA131
- **Clinical Biochemistry** (PHA217), 3 C.H. — PR: PHA117
- **Medicinal Chemistry I** (PHA219),3 C.H. — PR: PHA113
- **Pharmaceutical Analysis I** (PHA225), 3 C.H. — PR: PHA113

Level 4 (17 C.H.)

- **Pharmaceutics II** (PHA255), 3 C.H. — PR: PHA254
- **Pharm. Microbiology and Immunology II** (PHA265), 2 C.H. — PR: PHA264
- **Pharmacology II** (PHA231), 3 C.H. — PR: PHA230
- **Medicinal Chemistry II** (PHA229), 2 C.H. — PR: PHA219
- **Pharmaceutical Analysis II** (PHA226), 3 C.H. — PR: PHA225
- **Introductory Pharmacy Practice Experiences II** (PHA220), 4 C.H. — PR: PHA150

College Obligatory Courses 133 C.H.
Clinical Sciences: 93 C.H.
Pharmaceutical Sciences: 40 C.H.

College Elective Course 3 C.H.

University Required Courses 18 C.H.

University Elective Courses 6 C.H.

3rd Year (35C.H.)

Level 5 (18 C.H.)

- **Pharmaceutics III** (PHA301), 3 C.H. — PR: PHA255
- **Biopharmaceutics & Pharmacokinetics** (PHA304), 3 C.H. — PR: PHA255
- **Pharmacology III** (PHA333), 3 C.H. — PHA231
- **University Requirement** 3 C.H.
- **Research Methodology for Pharmacy** (PHA306) 3 C.H.
- **Therapeutics I** (PHA374), 3 C.H. — PR: PHA231

Level 6 (17 C.H.)

- **Pharmaceutical Biotechnology** (PHA360), 2 C.H. — PR: PHA217, PHA265
- **Clinical Pharmacokinetics & Therapeutic Drug Monitoring** (PHA314), 3 C.H. — PR: PHA304
- **Therapeutics II** (PHA379), 3 C.H. — PR: PHA374
- **Drug Information & Literature Evaluation** (PHA377), 3 C.H. — PR: PHA306, PHA374
- **Introductory Pharmacy Practice Experiences III** (PHA380), 2 C.H. — PR: PHA220
- **OTC Drugs and Products** (PHA370), 4 C.H. — PR: PHA374

College Elective Course (3 C.H.)
(Only one course from the list below)

- **Complementary and Alternative Medicine (CAM), PHA431** (PR: Fourth year, PHA370)
- **Arabic Language Competence in Pharmacy, PHA432** (PR: Fourth year, PHA101, PHA370)
- **Pharmaceutical Technology Training, PHA433** (PR: Fourth year, PHA301)
- **Phytotherapy, PHA420** (PR: Fourth year, PHA370)
- **Novel Drug Delivery, PHA435** (PR: Fourth year, PHA301)

4th Year (34 C.H.)

Level 7 (17 C.H.)

- **Therapeutics III** (PHA476), 3 C.H. — PR: PHA379
- **College Elective** (PHA4XX), 3 C.H. — PR: After 80 hours
- **Pharmacovigilance and Epidemiology** (PHA485), 3 C.H. — PR: PHA377
- **Principles and Practice of Toxicology** (PHA442), 2 C.H. — PR: PHA333
- **Regulatory Affairs in Pharmacy** (PHA470), 3 C.H. — PR: PHA226 & PHA301
- **University Requirement** 3 C.H.

Level 8 (17 C.H.)

- **Pharmacy Management and Marketing** (PHA415), 3 C.H. — PR: PHA470
- **Chemotherapy** (PHA434), 3 C.H. — PR: PHA333
- **Principles of Pharmaceutical Care** (PHA417), 3 C.H. — PR: PHA476
- **Pharmacoeconomics** (PHA466), 3 C.H. — PR: PHA377
- **Pharmacogenomics** (PHA478), 2 C.H. — PR: PHA333
- **Capstone Project** (PHA452), 3 C.H. — PR: PHA377, Fourth year

5th Year (30 C.H.)

Level 9 (15 C.H.)

- **Advanced Pharmacotherapy I** (PHP500), 3 C.H.
- **Advanced Pharmacotherapy II** (PHP501), 3 C.H.
- **Advanced Pharmacotherapy III** (PHP502), 3 C.H.
- **Sterile Compounding & Parenteral Nutrition** (PHP503), 2 C.H.
- **Social Pharmacy & Public Health** (PHP504), 3 C.H.
- **Clinical Skills Lab** (PHP505), 1 C.H.

Level 10 (15 C.H.)

- **Advanced Pharmacotherapy IV** (PHP506), 3 C.H.
- **Advanced Pharmacotherapy V** (PHP507), 3 C.H.
- **Directed Research** (PHP508), 2 C.H.
- **Digital Pharmacy Systems & Telehealth** (PHP509), 2 C.H.
- **Continuing Professional Development** (PHP510), 2 C.H.
- **Quality Assurance & Patient Safety in Healthcare** (PHP511), 3 C.H.

6th Year (40 C.H.)

Level 11 (20 C.H.)

- **General Medicine I** (PHP600), 5 C.H.
- **Communicable Disease** (PHP601), 5 C.H.
- **Paediatric** (PHP602), 5 C.H.
- **Ambulatory Care** (PHP603), 5 C.H.

Level 12 (20 C.H.)

- **Emergency Care** (PHP604), 5 C.H.
- **Drug Information** (PHP608), 5 C.H.
- **Community Healthcare** (PHP606), 5 C.H.
- **Elective rotation** (PHP6xx), 5 C.H.

Elective Rotation (5 C.H)

(Only one course from the list below)

- **Nephrology (PHP605)**
- **Pharmacy administration (PHP607)**
- **Cardiology (PHP609)**
- **Oncology (PHP610)**
- **Pain management (PHP611)**
- **Surgery (PHP612)**

Total Credit Hours
214

Last updated: September 2026