



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 (21 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.) | |
| INN311 | Innovation and Entrepreneurship (3 C.H.) | After completing 60 C.H. |
| EMS112 | Emirates Studies (3 C.H.) | |
| STA114 | General Statistics (3 C.H.) | |
| BIO111 | General Biology (3 C.H.) | |
| ENG113 | Academic Writing (3 C.H.) | |

*C.H.: Credit Hour(s)

University Elective (15 C.H.)

Students must complete **five courses** of the University elective courses (one course of 3 C.H. from course baskets 1,2,3 and 2 courses from course basket 4; Research Methodology (RES211) and Principle of Mathematics (MTH111) OR General Statistics (STA114)), These courses are all 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 ARB113 |
| 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 | Arabic Written Expression (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. |
|-------------|--|-----------|------|------|-----|-------------------|
| 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 |
| | Total C.H. | 17 | | | | |

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 |
| | | | | | | |
| | 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 | 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 |
| | 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, 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 & Drug Products | 4 | 3 | 2 | | PHA374 |
| PHA360 | Pharmaceutical Biotechnology | 2 | 2 | | | PHA265 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 | | | PHA333 |
| 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 | | | | PHA333 |
| xxxxxx | University Elective 3 | 3 | 3 | | | |
| PHA466 | Pharmacoeconomics | 3 | 3 | | | PHA377 |
| PHA478 | Pharmacogenomics | 2 | 2 | | | PHA333 |
| 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.