

# PHARMACY PROGRAM *For students entering Fall 2019 or later*

## PROFESSIONAL CURRICULUM – ENTRY-LEVEL CAMPUS and PHOENIX PATHWAYS

First Professional Year		
Fall 1	Spring 1	Summer 1
IPE 500 Introduction to Collaborative Care (0 sem. hrs.) OTD 215 Medical Terminology (1 sem. hr.) PHA 301 Biochemistry (3 sem. hrs.) PHA 312 Professional Development and Experience I (1.5 sem. hrs.) PHA 313 Calculations in Pharmacy Practice (2 sem. hrs.) PHA 317 Pharmaceutics I (3 sem. hrs.) PHA 320 Communication Skills (2 sem. hrs.) PHA 359 Dispensing and Patient Care I (3 sem. hrs.)	PHA 404 Human Physiology (3 sem. hrs.) MIC 541 Microbiology and Immunology (3 sem. hrs.) PHA 314 Professional Development and Experience II (1.5 sem. hrs.) PHA 321 Health Systems & Patient Safety (3 sem. hrs.) PHA 339 Pharmaceutics II (3 sem. hrs.) PHA 443 Basic Pharmacokinetics (2 sem. hrs.) PHA 470 Pharmacy-Based Immunization Delivery (1 sem. hr.)	<i>PHA 333 Introductory Pharmacy Practice Experience is taken during the Summer Semester but student is registered for the course the following Fall Semester.</i>
<b>Total Semester Hours = 15.5</b>	<b>Total Semester Hours = 16.5</b>	<b>Total Semester Hours = 0</b>
Second Professional Year		
Fall 2	Spring 2	Summer 2
PHR 241 Pharmacology I (4.5 sem. hrs.) PHA 326 Patient Assessment (2 sem. hrs.) PHA 333 Intro. Pharmacy Practice Exp. II (3 sem. hrs.) PHA 337 Chemical Basis of Drug Action I (2.5 sem. hrs.) PHA 413 Pharmacotherapeutics I (5 sem. hrs.)	PHR 242 Pharmacology II (4.5 sem. hrs.) PHA 338 Professional Development Sem. III (1 sem. hr.) PHA 414 Pharmacotherapeutics II (6 sem. hrs.) PHA 424 Pharmacotherapeutics II Case Studies (1 sem. hr.) PHA 447 Chemical Basis of Drug Action II (2.5 sem. hrs.) PHA 469 Dispensing and Patient Care II (2 sem. hrs.)	<i>PHA 433 Introductory Pharmacy Practice Experience III is taken during the Summer Semester but student is registered for the course the following Fall Semester.</i>
<b>Total Semester Hours = 17</b>	<b>Total Semester Hours = 17</b>	<b>Total Semester Hours = 0</b>
Third Professional Year		
Fall 3	Spring 3	Summer 3
PHA 350 Intro to Research Methods/ Biostats (2 sem. hrs.) PHA 351 Foundations of Public Health (2 sem. hrs.) PHA 415 Pharmacotherapeutics III (6 sem. hrs.) PHA 425 Pharmacotherapeutics III Case Studies (1 sem. hr.) PHA 430 Immunopharmacology & Biotechnology (2 sem. hrs.) PHA 433 Intro. Pharmacy Practice Exp. III (3 sem. hrs.) PHA 442 Pharmacy Practice Management (3 sem. hrs.)	PHA 416 Pharmacotherapeutics IV (6 sem. hrs.) PHA 426 Pharmacotherapeutics IV Case Studies (1 sem. hr.) PHA 448 Professional Development Sem. IV (1 sem. hr.) PHA 454 Pharmacy Practice Law (3 sem. hrs.) PHA 456 Ethics (3 sem. hrs.) PHA 458 Literature Evaluation (3 sem. hrs.) PHA 489 Dispensing and Patient Care III (2 sem. hrs.)	PHA 434 Introductory Pharmacy Practice Experience IV (1 sem. hr.)  Rotations (2; 10 sem. hrs.)
<b>Total Semester Hours = 19</b>	<b>Total Semester Hours = 19</b>	<b>Total Semester Hours = 11</b>
Fourth Professional Year		
Fall 4	Spring 4	
PHA 421 Delivering Medication Therapy Management Services (1 sem. hr.) Rotations (3; 15 sem. hrs.)	Rotations (3; 15 sem. hrs.)	146 required credits +4 elective credits <b>150 TOTAL credits</b>
<b>Total Semester Hours = 16</b>	<b>Total Semester Hours = 15</b>	

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### **Elective Requirements**

Within the first six semesters of the program, a total of four (4) professional elective hours must be successfully completed. These electives will relate to the practice of pharmacy (e.g., PHA, IPE) or meet the needs of individual dual tracks (e.g., Master of Business Administration, Master of Science in Pharmaceutical Sciences, and concurrent Bachelor of Science in Health Sciences degree). For courses not meeting these criteria or courses taken outside Creighton University (transient study), a pre-approval process will be conducted by the Assistant/Associate Dean for Academic Affairs. Non-Creighton courses must be taken at a four year institution. Students will not progress to rotations in the last three semesters of the program until these requirements are met.

Elective courses must be taken for a grade unless the instructor has elected to use the Satisfactory/Unsatisfactory grading system. The Pass/No Pass option is not allowed for courses that will be applied toward the degree.

### **Rotation Requirements**

In the last three semesters of the program, five credits are given for each five-week rotation experience. Five rotations are required:

PHA 510 Community Advanced Pharmacy Practice Experience  
PHA 511 Hospital Advanced Pharmacy Practice Experience  
PHA 512 Acute Care Advanced Pharmacy Practice Experience  
PHA 516 Ambulatory Care Advanced Pharmacy Practice Experience

And one of the below:

PHA 515 Drug Information Advanced Pharmacy Practice Experience  
PHA 534 Medication Therapy Management (MTM) Advanced Pharmacy Practice Experience

The remaining three (3) rotations are elective but must be selected to provide a variety of professional experiences. Students are encouraged to enroll in rotations that will expose them to direct patient contact and clinical service, distributive functions, and nontraditional practices. The experiential year has been designed to graduate a generalist practitioner who is highly qualified to enter practice or pursue advanced study in the clinical, administrative, or basic pharmaceutical sciences. The elective rotations available to Pharm.D. students currently include:

PHA 520 Elective Community Advanced Pharmacy Practice Experience (Elective)  
PHA 521 Community Management Advanced Pharmacy Practice Experience (Elective)  
PHA 523 Long Term Care Advanced Pharmacy Practice Experience (Elective)  
PHA 524 Elective Ambulatory Care Advanced Pharmacy Practice Experience (Elective)  
PHA 525 Informatics Advanced Pharmacy Practice Experience (Elective)  
PHA 526 Home Infusion Advanced Pharmacy Practice Experience (Elective)  
PHA 527 Compounding Advanced Pharmacy Practice Experience (Elective)  
PHA 528 Institute for Latin American Concerns (ILAC) Advanced Pharmacy Practice Experience (Elective)  
PHA 529 International Advanced Pharmacy Practice Experience (Elective)  
PHA 530 Emergency Medicine Advanced Pharmacy Practice Experience (Elective)  
PHA 531 Medication Safety Advanced Pharmacy Practice Experience (Elective)  
PHA 533 Organization Management Advanced Pharmacy Practice Experience (Elective)  
PHA 535 Academic Advanced Pharmacy Practice Experience (Elective)  
PHA 538 Managed Care Advanced Pharmacy Practice Experience (Elective)  
PHA 540 Hospital Advanced Pharmacy Practice Experience (Elective)  
PHA 541 Hospital Management Advanced Pharmacy Practice Experience (Elective)  
PHA 542 Elective Drug Information Advanced Pharmacy Practice Experience (Elective)  
PHA 543 Poison Center Advanced Pharmacy Practice Experience (Elective)  
PHA 545 Nuclear Medicine Advanced Pharmacy Practice Experience (Elective)  
PHA 546 Veterinary Advanced Pharmacy Practice Experience (Elective)  
PHA 550 Industry Advanced Pharmacy Practice Experience (Elective)  
PHA 551 Research Advanced Pharmacy Practice Experience (Elective)  
PHA 560 Elective Acute Care Advanced Pharmacy Practice Experience (Elective)  
PHA 563 Infectious Disease Advanced Pharmacy Practice Experience (Elective)  
PHA 566 Hematology/Oncology Advanced Pharmacy Practice Experience (Elective)  
PHA 568 Critical Care Advanced Pharmacy Practice Experience (Elective)  
PHA 569 Cardiology Advanced Pharmacy Practice Experience (Elective)  
PHA 570 Psychiatry Advanced Pharmacy Practice Experience (Elective)  
PHA 572 Pediatrics Advanced Pharmacy Practice Experience (Elective)  
PHA 574 Neurology Advanced Pharmacy Practice Experience (Elective)  
PHA 575 Transition of Care Advanced Pharmacy Practice Experience (Elective)  
PHA 576 Transplant Advanced Pharmacy Practice Experience (Elective)