# PHARMACY PROGRAM

**For students entering fall 2017 or later**

**PROFESSIONAL CURRICULUM – ENTRY-LEVEL CAMPUS PATHWAY**

## First Professional Year

<table>
<thead>
<tr>
<th>Fall 1</th>
<th>Summer 1</th>
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</thead>
<tbody>
<tr>
<td>IPE 400 Introduction to Collaborative Care (0 sem. hr.)</td>
<td>PHA 333 Introductory Pharmacy Practice Experience is taken during the Summer Semester but student is registered for the course the following Fall Semester.</td>
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<tr>
<td>OTD 215 Medical Terminology (1 sem. hr.)</td>
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<tr>
<td>PHA 301 Biochemistry (3 sem. hrs.)</td>
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<tr>
<td>PHA 312 Professional Development and Experience I (1.5 sem. hrs.)</td>
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<tr>
<td>PHA 313 Calculations in Pharmacy Practice (2 sem. hrs.)</td>
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<tr>
<td>PHA 317 Pharmaceutics I (3 sem. hrs.)</td>
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<tr>
<td>PHA 320 Communication Skills (2 sem. hrs.)</td>
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<tr>
<td>PHA 359 Dispensing and Patient Care I (3 sem. hrs.)</td>
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<tr>
<td><strong>Total Semester Hours = 15.5</strong></td>
<td><strong>Total Semester Hours = 16.5</strong></td>
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## Second Professional Year

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<tr>
<th>Fall 2</th>
<th>Spring 2</th>
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<tbody>
<tr>
<td>PHR 241 Pharmacology I (4.5 sem. hrs.)</td>
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<tr>
<td>PHA 326 Patient Assessment (2. sem. hrs.)</td>
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<tr>
<td>PHA 333 Intro. Pharmacy Practice Exp. II (3 sem. hrs.)</td>
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<tr>
<td>PHA 337 Chemical Basis of Drug Action I (2.5 sem. hrs.)</td>
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<tr>
<td>PHA 338 Professional Development Sem. III (1 sem. hrs.)</td>
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<tr>
<td>PHA 413 Pharmacotherapeutics I (5 semester hrs.)</td>
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<tr>
<td><strong>Total Semester Hours = 18</strong></td>
<td><strong>Total Semester Hours = 16</strong></td>
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## Third Professional Year

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<thead>
<tr>
<th>Fall 3</th>
<th>Spring 3</th>
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<tbody>
<tr>
<td>PHA 350 Intro to Research Methods/ Biostats (2 sem. hrs.)</td>
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<tr>
<td>PHA 351 Foundations of Public Health (2 semester hrs.)</td>
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<tr>
<td>PHA 415 Pharmacotherapeutics III (7 sem. hrs.)</td>
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<tr>
<td>PHA 430 Immunopharmacology &amp; Biotechnology (2 sem. hrs.)</td>
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<tr>
<td>PHA 433 Intro. Pharmacy Practice Exp. III (2 sem. hrs.)</td>
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<tr>
<td>PHA 442 Pharmacy Practice Management (3 sem. hrs.)</td>
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<tr>
<td><strong>Total Semester Hours = 18</strong></td>
<td><strong>Total Semester Hours = 19</strong></td>
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## Fourth Professional Year

<table>
<thead>
<tr>
<th>Fall 4</th>
<th>Spring 4</th>
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<tbody>
<tr>
<td>Rotations (3; 15 sem. hrs.)</td>
<td>Rotations (3; 15 sem. hrs.)</td>
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<tr>
<td><strong>Total Semester Hours = 15</strong></td>
<td><strong>Total Semester Hours = 15</strong></td>
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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
- PHA 515 Drug Information Advanced Pharmacy Practice Experience
- PHA 534 Medication Therapy Management (MTM) Advanced Pharmacy Practice Experience

And one of the below:

- PHA 516 Ambulatory Care Advanced Pharmacy Practice Experience
- PHA 517 Home Infusion Advanced Pharmacy Practice Experience
- PHA 518 Informatics Advanced Pharmacy Practice Experience
- PHA 520 Elective Community Advanced Pharmacy Practice Experience (Elective)
- PHA 521 Community Management Advanced Pharmacy Practice Experience (Elective)
- PHA 522 Advanced Community 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 Compounding Advanced Pharmacy Practice Experience (Elective)
- PHA 527 Institute for Latin American Concerns (ILAC) Advanced Pharmacy Practice Experience (Elective)
- PHA 528 International Advanced Pharmacy Practice Experience (Elective)
- PHA 529 Emergency Medicine Advanced Pharmacy Practice Experience (Elective)
- PHA 530 Medication Safety Advanced Pharmacy Practice Experience (Elective)
- PHA 531 Public Health Advanced Pharmacy Practice Experience (Elective)
- PHA 532 Organization Management Advanced Pharmacy Practice Experience (Elective)
- PHA 533 Community Health Engagement Advanced Pharmacy Practice Experience (Elective)
- PHA 534 Managed Care Advanced Pharmacy Practice Experience (Elective)
- PHA 535 Hospital Advanced Pharmacy Practice Experience (Elective)
- PHA 536 Hospital Management Advanced Pharmacy Practice Experience (Elective)
- PHA 537 Elective Drug Information Advanced Pharmacy Practice Experience (Elective)
- PHA 538 Poison Center Advanced Pharmacy Practice Experience (Elective)
- PHA 539 Nuclear Medicine Advanced Pharmacy Practice Experience (Elective)
- PHA 540 Veterinary Advanced Pharmacy Practice Experience (Elective)
- PHA 541 Industry Advanced Pharmacy Practice Experience (Elective)
- PHA 542 Research Advanced Pharmacy Practice Experience (Elective)
- PHA 543 Infectious Disease Advanced Pharmacy Practice Experience (Elective)
- PHA 544 Critical Care Advanced Pharmacy Practice Experience (Elective)
- PHA 545 Hematology/Oncology Advanced Pharmacy Practice Experience (Elective)
- PHA 546 Cardiology Advanced Pharmacy Practice Experience (Elective)
- PHA 547 Psychiatry Advanced Pharmacy Practice Experience (Elective)
- PHA 548 Pediatrics Advanced Pharmacy Practice Experience (Elective)
- PHA 549 Nutrition Support Advanced Pharmacy Practice Experience (Elective)

The remaining three (3) rotations are elective but must be selected so as 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 550 Community Advanced Pharmacy Practice Experience (Elective)
- PHA 551 Hospital Advanced Pharmacy Practice Experience (Elective)
- PHA 552 Community Management Advanced Pharmacy Practice Experience (Elective)
- PHA 553 Advanced Community Advanced Pharmacy Practice Experience (Elective)
- PHA 554 Long Term Care Advanced Pharmacy Practice Experience (Elective)
- PHA 555 Elective Ambulatory Care Advanced Pharmacy Practice Experience (Elective)
- PHA 556 Informatics Advanced Pharmacy Practice Experience (Elective)
- PHA 557 Compounding Advanced Pharmacy Practice Experience (Elective)
- PHA 558 Institute for Latin American Concerns (ILAC) Advanced Pharmacy Practice Experience (Elective)
- PHA 559 International Advanced Pharmacy Practice Experience (Elective)
- PHA 560 Emergency Medicine Advanced Pharmacy Practice Experience (Elective)
- PHA 561 Medication Safety Advanced Pharmacy Practice Experience (Elective)
- PHA 562 Public Health Advanced Pharmacy Practice Experience (Elective)
- PHA 563 Organization Management Advanced Pharmacy Practice Experience (Elective)
- PHA 564 Community Health Engagement Advanced Pharmacy Practice Experience (Elective)
- PHA 565 Managed Care Advanced Pharmacy Practice Experience (Elective)
- PHA 566 Hospital Advanced Pharmacy Practice Experience (Elective)
- PHA 567 Hospital Management Advanced Pharmacy Practice Experience (Elective)
- PHA 568 Elective Drug Information Advanced Pharmacy Practice Experience (Elective)
- PHA 569 Poison Center Advanced Pharmacy Practice Experience (Elective)
- PHA 570 Nuclear Medicine Advanced Pharmacy Practice Experience (Elective)
- PHA 571 Veterinary Advanced Pharmacy Practice Experience (Elective)
- PHA 572 Industry Advanced Pharmacy Practice Experience (Elective)
- PHA 573 Research Advanced Pharmacy Practice Experience (Elective)
- PHA 574 Infectious Disease Advanced Pharmacy Practice Experience (Elective)
- PHA 575 Critical Care Advanced Pharmacy Practice Experience (Elective)
- PHA 576 Hematology/Oncology Advanced Pharmacy Practice Experience (Elective)
- PHA 577 Cardiology Advanced Pharmacy Practice Experience (Elective)
- PHA 578 Psychiatry Advanced Pharmacy Practice Experience (Elective)
- PHA 579 Pediatrics Advanced Pharmacy Practice Experience (Elective)
- PHA 580 Nutrition Support Advanced Pharmacy Practice Experience (Elective)

UPDATED 8/27/18
PHARMACY PROGRAM For students entering fall 2017 or later
PROFESSIONAL CURRICULUM – ENTRY-LEVEL CAMPUS PATHWAY

PHA 574  Neurology Advanced Pharmacy Practice Experience (Elective)
PHA 575  Patient Care Discharge Advanced Pharmacy Practice Experience (Elective)