

PROFESSIONAL CURRICULUM

DISTANCE PATHWAY

The distance pathway for the Doctor of Pharmacy degree requires nine semesters of professional course work (thirteen semesters including the two years of pre-pharmacy courses). The courses covered in this pathway are the same as in the campus pathway; however, some courses normally taken during the fall or spring semesters during the first three years of the campus pathway are taken during the summer in the distance pathway. In particular, students are required to be on campus for an estimated two weeks to four weeks each summer to take the laboratory courses in a condensed manner. As with the campus pathway, students are required to attend rotations during the summer prior to the last year of the program. The tuition for the distance pathway is assessed somewhat differently from the campus pathway because of the additional summer semesters, however, it is expected that the overall tuition and fees will be nearly identical for the total program, regardless of the pathway.

Doctor of Pharmacy Curriculum (Pharm.D.)

Distance Pathway

First Professional Year

<i>Summer</i>	<i>Semester Hours</i>		
*Orientation and Technology Training	0		
<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
BMS 301 Biochemistry	4	BMS 404 Physiology	4
PHA 304 Human Anatomy	2	PHA 325 Dosage Forms and Drug Delivery Systems	2
PHA 313 Pharmacy Calculations	2	PHA 402 Early Practice Experience I*	1
PHA 315 Physical Pharmacy	3	PHA 444 Biostatistics and Research Design	3
PHA 316 Health Care Systems	3	PHA 442 Pharmacy Practice Management	3
PHA 320 Communication Skills*	2	PTG 105 Intro to Pathology of Human Disease	3
PHA 329 Introduction to Pharmacy Practice	<u>1</u>	Electives	<u>2</u>
	17		18

Second Professional Year

<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
MIC 541 Microbiology	4	PHA 324 Nonprescription Therapeutics	5
PHA 334 Parenteral Drug Products*	3	PHA 326 Patient Assessment*	2
PHA 337 Chemical Basis of Drug Action I	3	PHA 412 Early Practice Experience II*	1
PHR 241 Pharmacology I	5	PHA 443 Basic Pharmacokinetics	2
Electives	<u>3</u>	PHA 447 Chemical Basis of Drug Action II	2
	18	PHR 242 Pharmacology II	<u>5</u>
			17

* Courses requiring on-campus components at Creighton University during summer lab sessions.

Third Professional Year

<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
PHA 450 Pharmacotherapeutics I	7	PHA 422 Early Practice Experience III*	2
PHA 454 Pharmacy Practice Law	3	PHA 456 Ethics in the Health Professions	3
PHA 458 Literature Evaluation and Evidence-based Practice	3	PHA 460 Pharmacotherapeutics II	7
PHA 459 Immunopharmacology	2	PHA 464 Clinical Pharmacokinetics	2
Electives	<u>3</u>	PHA 485 Dispensing and Pharm. Care	2
	18	Electives	<u>2</u>
			18

Fourth Professional Year

<i>Summer Semester</i>	<i>Semester Hours</i>
Rotations (2)	10
PHA 486 Dispensing Pharm. Care Lab	<u>1</u>
	11

<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
Rotations (3)	15	Rotations (3)	15

ELECTIVES

A total of ten (10) elective semester hours are required of all pharmacy students.

- Five (5) semester hours of restricted electives are required, regardless of pre-pharmacy academic history. These five elective hours must be taken at an accredited, four-year school, college or university while enrolled in Creighton's Doctor of Pharmacy program.
- Five (5) semester hours of unrestricted electives are required of all students. These unrestricted hours may be taken while enrolled in Creighton's Doctor of Pharmacy program, but credit hours earned in pre-professional coursework that are above and beyond those hours required for matriculation may also count against this requirement. If pre-professional coursework is used to satisfy the requirement, a grade of "C" or better must have been earned. Unrestricted electives can be completed at any post-secondary institution of higher learning.
- Electives do not need to be taken in the exact sequence as shown in the Doctor of Pharmacy curriculum.

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 Pharmacy Practice Rotation
- PHA 511 Inpatient Hospital Pharmacy Practice Rotation
- PHA 512 Adult Acute Pharmaceutical Care Rotation
- PHA 515 Drug Information Rotation
- PHA 516 Ambulatory Care Rotation

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 520 Elective Community Pharmacy Practice Rotation
- PHA 521 Elective Community Pharmacy Management Rotation
- PHA 523 Elective Long Term Care Rotation
- PHA 522 Elective Advanced Community Pharmacy Practice Rotation
- PHA 524 Elective Ambulatory Care Rotation
- PHA 526 Elective Home Care Rotation
- PHA 527 Elective Community Compounding Rotation
- PHA 528 Elective Third World Cultures and Health Care (ILAC)
- PHA 529 Elective International Rotation
- PHA 533 Elective Pharmacy Organization Management Rotation
- PHA 535 Elective Academic Rotation
- PHA 536 Elective Pharmacoeconomics Rotation
- PHA 537 Elective Community Outreach Rotation
- PHA 540 Elective Hospital Pharmacy Practice Rotation
- PHA 541 Elective Hospital Pharmacy Management Rotation
- PHA 542 Elective Drug Information Rotation
- PHA 543 Elective Poison Center Rotation
- PHA 544 Elective Drug Utilization Review Rotation
- PHA 545 Elective Nuclear Rotation
- PHA 546 Elective Veterinary Pharmaceuticals Rotation
- PHA 550 Elective Industrial Pharmacy Rotation
- PHA 551 Elective Research Rotation
- PHA 560 Elective Acute Care Rotation I
- PHA 561 Elective Acute Care Rotation II
- PHA 562 Elective Pharmacokinetics Rotation
- PHA 563 Elective Infectious Disease Rotation I
- PHA 564 Elective Infectious Disease Rotation II
- PHA 565 Elective AIDS Rotation
- PHA 566 Elective Oncology Rotation I
- PHA 567 Elective Oncology Rotation II
- PHA 568 Elective Critical Care Rotation
- PHA 569 Elective Cardiology Rotation
- PHA 570 Elective Psychiatry Rotation I
- PHA 571 Elective Psychiatry Rotation II
- PHA 572 Elective Pediatrics Rotation
- PHA 573 Elective Nutrition Support Rotation