

## 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, the laboratory component of some courses are completed during required summer sessions. Students are required to be on campus for an estimated two 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 identical to the campus program. The overall tuition and fees are 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	3	BMS 404 Human Physiology	3
	PHA 312 Professional Development and Experience I	1.5	MIC 541 Microbiology and Immunology	3
	PHA 313 Pharmacy Calculations	2	PTG 105 Pathology	3
	PHA 317 Pharmaceutics I	3	PHA 314 Professional Development and Experience II	1.5
	PHA 319 Pharmacy Skills Lab I**	1	PHA 322 Pharmacy Skills Lab II***	1
	PHA 320 Communication Skills	2	PHA 327 Pharmaceutics II	<u>3</u>
	PHA 321 Health Systems & Patient Safety	<u>3</u>		<b>14.5</b>
		<b>15.5</b>		

##### *Second Professional Year*

<i>Fall Semester</i>		<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
	PHR 241 Pharmacology I	4.5	PHR 242 Pharmacology II	4.5
	PHA 326 Patient Assessment	2	PHA 348 Professional Development Sem. IV	1
	PHA 333 Intro. Pharmacy Practice Exp. II**	2	PHA 351 Foundations of Public Health	2
	PHA 337 Chemical Basis of Drug Action I	2.5	PHA 352 Pharmacy Skills Lab IV***	1
	PHA 338 Professional Development Sem. III	1	PHA 414 Pharmacotherapeutics II	6
	PHA 342 Pharmacy Skills Lab III***	1	PHA 447 Chemical Basis of Drug Action II	<u>2.5</u>
	PHA 413 Pharmacotherapeutics I	4		<b>17</b>
	PHA 443 Basic Pharmacokinetics	2		
	PHA 470 Pharmacy-Based Imm. Delivery** (1)			
		<b>19 (20)</b>		

\*\* Course completed previous summer

\*\*\* Course completed following summer

### **Third Professional Year**

<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
PHA 350 Intro Research Methods/Biostatistics	2	PHA 416 Pharmacotherapeutics IV	6
PHA 415 Pharmacotherapeutics III	6	PHA 454 Pharmacy Practice Law	3
PHA 430 Immunopharm./Biotechnology	2	PHA 456 Ethics	3
PHA 442 Pharmacy Practice Management	3	PHA 458 Literature Evaluation	3
PHA 438 Professional Development Sem. V	1	PHA 448 Professional Development Sem. VI	1
PHA 462 Pharmacy Skills Lab V***	1	PHA 472 Pharmacy Skills Lab VI***	1
PHA 433 Intro. Pharmacy Practice Exp. III**	2	PHA 434 Intro. Pharmacy Practice Exp. IV	2
	<b>15 (17)</b>		<b>19</b>

### **Fourth Professional Year**

<i>Summer Semester</i>	<i>Semester Hours</i>		
Rotations (2)	<u>10</u>		
	<b>10</b>		
<i>Fall Semester</i>	<i>Semester Hours</i>	<i>Spring Semester</i>	<i>Semester Hours</i>
Rotations (3)	<b>15</b>	Rotations (3)	<b>15</b>

### **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, 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.

### **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 525 Pharmacy Informatics 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 532 Public Health 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 538 Managed Care 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 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

### *ABOUT ELECTIVES*

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.