

Year 1

Fall

Spring

<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
PALM 301: Principles of Human Anatomy	3	PHAR 810: Community Pharmacy Practice	2
PSIO 541: Integrative Physiology	4	PHAR 811: Foundational Pharmacy Skills	1
PHAR 800: Introduction to Pharmacy	4	PHAR 812: Drug Chemistry and Biotechnology	3
PHAR 801: Drug Delivery	5	PHAR 813: Biopharmaceutics and Pharmacogenomics	4
PHAR 802: Preparation of Pharmaceutical Products	1	PHAR 814: Biochemical Pharmacology	4
PHAR 807: Pharmacy Calculations	1	PHAR 815: Self-Care	3
PHAR 703: Pharmacy Practice Experience 1	1	PHAR 817: Principles of Immunology and Microbiology	2
		PHAR 710: Pharmacy Practice Experience 2	1
<b>Total Credits</b>	<b>19</b>	<b>Total Credits</b>	<b>20</b>

**Late Spring/Early Summer**

PHAR 818 Intro Community Rotation (4 weeks)

4 credit hours

Year 2

Fall

Spring

<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
PHAR 820: Population Health and Policy	3	PHAR 830: Health Systems Pharmacy Practice	2
PHAR 821: Pain	1	PHAR 825: Nephrology	2
PHAR 823: Pulmonology	3	PHAR 835: Autoimmune Diseases	2
PHAR 824: Cardiology	5	PHAR 833: Endocrinology	3
PHAR 826: Evidence-Based Practice	3	PHAR 836: Research in the Pharmaceutical Sciences	2
		PHAR 837: Quality and Outcomes in Pharmacy Practice	2
Electives	2-3	Electives	2-3
<b>Total Credits</b>	<b>17-18</b>	<b>Total Credits</b>	<b>15-16</b>

**Summer**

PHAR 838 Intro Institutional Rotation (2 weeks)

2 credit hours

## Year 3

### Fall

### Spring

<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
PHAR 840: Pharmacy Practice Management	3	PHAR 849: Ambulatory Care Practice Experience*	2
PHAR 844: Infectious Diseases	3	PHAR 853: Hematology/Oncology	3
PHAR 843: Gastroenterology & Nutrition	3	PHAR 854: Special Populations	3
PHAR 845: Neurology and Psychiatry	4	PHAR 858: Comprehensive Assessment of Practice	3
PHAR 848: Acute Care Practice Experience*	2	PHAR 859: Pharmacy Law and Ethics	3
Electives	2-3	Electives	2-3
<b>Total Credits</b>	<b>17-18</b>	<b>Total Credits</b>	<b>16-17</b>

\*Half of the class completes Acute Care Practice Experience in the Fall and half of the class completes Ambulatory Care Practice Experience in the Fall and then each group completes the other course in Spring.

## Year 4

### Fall

### Spring

<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
PHAR 860: Current Topics in Pharmacy	1	PHAR 860: Current Topics in Pharmacy	1

### Advanced Pharmacy Practice Experiences (APPEs)

Students complete eight, five-week advanced pharmacy practice experiences (APPEs) beginning in the summer following the third year and throughout the fourth year. Students complete three rotations for two semesters and two rotations for one semester. Students will have experiences in acute care and ambulatory care (3 rotations), community pharmacy, institutional pharmacy, populations/systems-based care, as well as elective options. (5 credits per rotation = 40 credit hours for the year).

### Professional Development Electives

Eight hours of professionally related electives are required to be completed during the second and third professional year. Professional development electives can be selected from a list of approved courses. Students can also choose to participate in one of our pathway programs, where electives and one or more APPE rotations are concentrated in a pathway.

- Translational Pharmacy Research Area of Emphasis
- Advanced Clinical Practice Area of Emphasis
- Dual PharmD/MBA Degree Program
- Geriatric Pharmacy Area of Emphasis
- College Teaching in Pharmacy Area of Emphasis
- Global Health Area of Emphasis