

# Doctor of Pharmacy

## Curriculum Guide

### First Year

Fall Semester			Spring Semester		
BIO 012/L	Pre-Professional Biology I & Lab ( <i>LIFE AOI</i> )	4 CR	CHEM 002/4	General Chemistry II & Lab	4 CR
CHEM 001/3	General Chemistry I & Lab ( <i>PHSC AOI</i> )	4 CR	ELEC ---	Drake Curriculum/General Electives	3 CR
ELEC ---	Drake Curriculum/General Electives	2 CR	HSCI 141/L	Human Anatomy/Lab	4 CR
FYS	First Year Seminar	3 CR	MATH 050	Calculus I ( <i>QUAN AOI</i> )	3 CR
INTD 025	Blueprint for Success	1 CR	PHAR 031	CAPS II (Career, Academic, & Professional Success)	1 CR
PHAR 011	CAPS I (Career, Academic, & Professional Success)	1 CR			
<b>Total Semester Credit Hours</b>		<b>15</b>	<b>Total Semester Credit Hours</b>		<b>15</b>

### Second Year

Fall Semester			Spring Semester		
BIO 095	Medical Microbiology	3 CR	CHEM 108/110	Organic Chemistry II & Lab	4 CR
CHEM 097/098	Org Chem/Lab I	4 CR	ELEC ---	Drake Curriculum/General Electives	6 CR
ELEC ---	Drake Curriculum/General Elective	6 CR	ELEC ---	Public Voices ( <i>CITZ AOI</i> )	3 CR
ELEC ---	Drake Curriculum/General Elective (WRIT AOI)	3 CR	ENG 037	CAPS IV (Career, Academic, & Professional Success)	0.5 CR
PHAR 051	CAPS III (Career, Academic, & Professional Success)	0.5 CR	PHAR 071	Stats for Life Sciences (OR HSCI 060)	3 CR
			STAT 060	( <i>CRIT AOI</i> )	
<b>Total Semester Credit Hours</b>		<b>16.5</b>	<b>Total Semester Credit Hours</b>		<b>16.5</b>

### Doctor of Pharmacy 1

Fall Semester			Spring Semester		
ELEC ---	Drake Curriculum/General Electives	2 CR	PHAR 123	Continuing Professional Development (CPD) II	1 CR
PHAR 122	Continuing Professional Development (CPD) I	1 CR	PHAR 132	Pathophysiology	4 CR
PHAR 125	Physiology	4 CR	PHAR 133	Principles of Drug Action I	5 CR
PHAR 130	Biochemistry	4 CR	PHAR 138	Pharmaceutical Calculations	2 CR
PHAR 131	Intro to Pharm Science	3 CR	PHAR 140	Pharmaceutics I	2 CR
PHAR 144	Basic Pharmacy Skills & Applications 1	2 CR	PHAR 145	Basic Pharmacy Skills & Applications 2 ( <i>INFO AOI</i> )	2 CR
PHAR 149	Immunizations	1 CR	PHAR 171	Health Care Systems and Policies	3 CR
<b>Total Semester Credit Hours</b>		<b>17</b>	<b>Total Semester Credit Hours</b>		<b>19</b>

### Doctor of Pharmacy 2

Fall Semester			Spring Semester		
PHAR 134	Principles of Drug Action II	5 CR	ELEC --	Drake Curriculum/General Electives	3 CR
PHAR 141	Pharmaceutics II	3 CR	PHAR 135	Principles of Drug Action III	4 CR
PHAR 142	Kinetics	3 CR	PHAR 143	Therapeutic Drug Monitoring	2 CR
PHAR 154	Intermediate Pharmacy Skills and Applications I	2 CR	PHAR 155	Intermediate Pharmacy Skills and Applications II	2 CR
PHAR 167	Continuing Professional Development (CPD) III	1.5 CR	PHAR 168	Continuing Professional Development (CPD) IV	1.5 CR
PHAR 172	Literature Evaluation Methods	3 CR	PHAR 169	Self-Care and Non-Prescription Products	3 CR
			PHAR 190	Therapeutics I	3 CR
<b>Total Semester Credit Hours</b>		<b>17.5</b>	<b>Total Semester Credit Hours</b>		<b>18.5</b>

Doctor of Pharmacy 3					
<b>Fall Semester</b>			<b>Spring Semester</b>		
ELEC ---	Pharmacy Professional Elective	3 CR	ELEC ---	Pharmacy Professional Electives	2 CR
ELEC ---	Drake Curriculum/General Elective	3 CR	PHAR 162	Pharmacy Law & Ethics <i>(VE AOI)</i>	3 CR
PHAR 174	Management in Pharmacy	3 CR	PHAR 173	Applied Social and Administrative Pharmacy	3 CR
PHAR 175	Continuing Professional Development (CPD) V	2 CR	PHAR 176	Continuing Professional Development (CPD) VI	2 CR
PHAR 184	Advanced Pharmacy Skills & Applications I <i>(Equity &amp; Inclusion)</i>	2 CR	PHAR 185	Advanced Pharmacy Skills & Applications II	2 CR
PHAR 191	Therapeutics II	5 CR	PHAR 192	Therapeutics II	5 CR
<b>Total Semester Credit Hours</b>		<b>18</b>	<b>Total Semester Credit Hours</b>		<b>17</b>
Doctor of Pharmacy 4 (12 months/May through May)					
<b>Fall Semester</b>			<b>Spring Semester</b>		
PHAR 285	Rotations	22 CR	PHAR 285	Rotations	18 CR
PHAR 177	Continuing Professional Development VII	0.5 CR	PHAR 177	Continuing Professional Development VII	1 CR
<b>Total Semester Credit Hours</b>		<b>22.5</b>	<b>Total Semester Credit Hours</b>		<b>19</b>
<b>Total Program Hours: 211.5</b>					

**Program Notes:**

P1 students are required to complete 80 hours of IPPE for Hospital/Institutional Practice I during the summer between the P1 and P2 years, and complete 80 hours of IPPE for Community Practice III during the summer between the P2 & P3 year.

**General Education Electives:** Students complete the Drake Curriculum requirements and other general elective credits for a total of 26 credits. Pre-pharmacy students entering Fall 2020 and prior are required to complete 27 GE credits. Area of Inquiry (AOI) courses that count towards this requirement include: Historical Foundations (2 courses), Artistic Literacy, and Global and Cultural Understanding.

**Professional Electives:** Five (5) credits are required and completed during the professional program.

**Professional Electives Policy:** Core curricula of CPHS degree programs may require professional elective courses that permit exploration of and/or advanced study in areas of professional interest within the student's primary degree. Professional electives provide the student with an opportunity to not only pursue areas of intellectual interest, but also to develop an individual "brand" that may benefit them in their professional or academic future. Students who desire to have a non-approved elective count toward professional elective credit should apply for an exception to program policy prior to taking the course whenever possible. Professional electives must be taken for a grade unless the course is designed as credit/no credit. Students should refer to their degree audit for determination of the total number of required professional electives. Students should review the [student handbook](#) for the complete professional elective policy and details specific to their degree program.