



TODAY'S LEARNERS. TOMORROW'S HEALTHCARE LEADERS.

Pre-Pharmacy

For students entering Fall 2023 or later

Drake's pre-pharmacy degree provides a unique and beneficial experience to students that includes career exploration in a variety of areas within pharmacy, advising and mentoring from a pharmacy professor, opportunities to join professional pharmacy organizations as early as your first semester, and much more! Drake's pre-pharmacy major is a two-year curriculum that prepares students to apply to the Doctor of Pharmacy (PharmD) degree.

This form is a planning tool only - Consult your degree evaluation in Self Service to view how coursework meets degree requirements.

Name

Student ID

I. PharmD Admission Requirements

64 - Approximate Earned Credit Hours	<input type="text"/>
3.0 or Above - Recommended Overall GPA	<input type="text"/>
3.0 or Above - Math/Science GPA	<input type="text"/>

II. Drake Curriculum - Areas of Inquiry (AOI's)

PharmD pre-requisites are bolded	Course	Credit
Fulfilled by required coursework		
Critical Thinking	HSCI 060/STAT 060	3
Engaged Citizen	ENG 037	3
Information Literacy	PHAR 145	2
Life Science	BIO 012	3
Physical Science*	CHEM 001/003	4
Quantitative Literacy	MATH 050	3
Values & Ethics	PHAR 162	3
Choose a course		
Artistic Literacy		
Global & Cultural Understanding		
Historical Foundations		
Historical Foundations		
Written Communication		

*One science course must include a lab.

III. All University Required Courses

PharmD pre-requisites are bolded	Course	Credit
Blueprint for Success (1st semester)*	INTD 025	1
Equity & Inclusion**	PHAR 184	-
First Year Seminar (1st semester)*	FYS ---	3

*These courses may be waived for transfer students
 **May be used to fill an AOI; PHAR 184 will satisfy if not already fulfilled- additional credit hours will not be awarded for this requirement

IV. PharmD Math/Science Pre-Requisite Coursework

	Credit
BIO 012/L - Pre-Professional Biology I & Lab <i>fall only*</i>	4
CHEM 001/003 - General Chemistry I & Lab <i>fall only*</i>	4
HSCI 141/L - Human Anatomy & Lab (BIO 012)	4
CHEM 002/004 - General Chemistry II & Lab (CHEM 001/003) <i>spring only*</i>	4
MATH 050 - Calculus I (MATH 020 or high school equivalent)	3
CHEM 097/098 - Organic Chemistry I & Lab (CHEM 002/004) <i>fall only*</i>	4
CHEM 108/110 - Organic Chemistry II & Lab (CHEM 097/098) <i>spring only*</i>	4
BIO 095 - Medical Microbiology (BIO 012 or BIO 013) <i>fall only</i>	3
HSCI 060 - Statistics in Health Sciences (MATH 020, 028, or 050) or STAT 060 - Statistics for the Life Sciences (MATH 020, 028, or 050)	3

*Course may also be offered in a J-term or summer semester

V. PharmD Non-Math/Science Pre-Requisite Coursework

	Credit
PHAR 011 - CAPS I <i>fall only</i>	1
PHAR 031 - CAPS II <i>spring only</i>	1
PHAR 051 - CAPS III <i>fall only</i>	0.5
PHAR 071 - CAPS IV <i>spring only</i>	0.5
ENG 037 - Public Voices	3
Written Communication AOI	3

VI. Elective Courses (26 credits)

	Credit

Area of Inquiry (AOI) courses that count towards this requirement include: Historical Foundations (2 courses), Artistic Literacy, and Global and Cultural Understanding.

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	3 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			
Total Semester Credit Hours		16	Total Semester Credit Hours		15

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	ENG 037	Public Voices (<i>CITZ AOI</i>)	3 CR
ELEC ---	Drake Curriculum/General Elective (WRIT AOI)	3 CR	PHAR 071	CAPS IV (Career, Academic, & Professional Success)	0.5 CR
PHAR 051	CAPS III (Career, Academic, & Professional Success)	0.5 CR	STAT 060	Stats for Life Sciences (OR HSCI 060) (<i>CRIT AOI</i>)	3 CR
Total Semester Credit Hours		16.5	Total Semester Credit Hours		16.5

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
Total Semester Credit Hours		17	Total Semester Credit Hours		19

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
Total Semester Credit Hours		17.5	Total Semester Credit Hours		18.5

Doctor of Pharmacy 3

Fall Semester			Spring Semester		
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>(EI AOI)</i>	2 CR	PHAR 185	Advanced Pharmacy Skills & Applications II	2 CR
PHAR 191	Therapeutics II	5 CR	PHAR 192	Therapeutics II	5 CR
Total Semester Credit Hours		18	Total Semester Credit Hours		16

Doctor of Pharmacy 4 (12 months/May through May)

Fall Semester			Spring Semester		
PHAR 285	Rotations	22 CR	PHAR 285	Rotations	18 CR
Total Semester Credit Hours		22	Total Semester Credit Hours		18

Total Program Hours: 211

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. P1 students entering Fall 2019 and prior were required to complete six (6) credits P-EL credits.

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 electives 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.