



Name

## TODAY'S LEARNERS. TOMORROW'S HEALTHCARE LEADERS.

Student ID

### **Pre-Pharmacy**

#### For students entering Fall 2024 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.

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

. PharmD Admission Requirem	ients		IV. PharmD Math/Science Pre-Requisite Coursework	
				Credit
63 - Approximate Earned Credit Hours			BIO 012/L - Pre-Professional Biology I & Lab fall only *	4
	<u>-</u>		CHEM 001/003 - General Chemistry I & Lab fall only *	4
3.0 or Above - Recommended Overall O	3PA .		HSCI 141/L - Human Anatomy & Lab (BIO 012)	4
	<u>-</u>		CHEM 002/004 - General Chemistry II & Lab (CHEM 001/003) spring only*	4
3.0 or Above - Math/Science GPA			MATH 050 - Calculus I (MATH 020 or high school equivalent)	3
		_	CHEM 097/098 - Organic Chemistry I & Lab (СНЕМ 002/004) fall only*	4
			CHEM 108/110 - Organic Chemistry II & Lab (CHEM 097/098) spring only*	4
	bove - Recommended Overall GPA bove - Math/Science GPA  e Curriculum - Areas of Inquiry (AOI's) re-requisites are bolded Course Cred		BIO 095 - Medical Microbiology (BIO 012 or BIO 013) fall only	3
I. Drake Curriculum - Areas of	Inquiry (AOI's)		HSCI 060 - Statistics in Health Sciences (MATH 020, 028, or 050)	
PharmD pre-requisites are bolded	Course	Credit		3
			*Course may also be offered in a J-term or summer semester	
Fulfilled by required coursework				
nformation Literacy	PHAR 145	2	V. PharmD Non-Math/Science Pre-Requisite Coursework	
	†			

Information Literacy	PHAR 145	2
Scientific Literacy*	BIO 012/L	3
Engaged Citizen	ENG 052	3
Quantitative Literacy	MATH 050	3
Values & Ethics	PHAR 162	3
Choose a course		
Artistic Literacy		
Global & Cultural Understanding		
Historical Foundations		

Written Communication			VI. Elective Courses (26 credits)	
*Science course must include a lab.				Credi
III. All University Required Cou	rses (3 credits)			
PharmD pre-requisites are bolded	Course	Credit		
Equity & Inclusion**	PHAR 184	-		
First Year Seminar (1st semester)*	FYS	3		
*This course may be waived for transfer s	tudents			
**May be used to fill an AOI; PHAR 184 w	ill satisfy if not already f	ulfilled-		
additional credit hours will not be award	ded for this requirement			
			Area of Inquiry (AOI) courses that count towards	this requirement include: Historical
			Foundations, Artistic Literacy, and Global and Cu	•

# **Doctor of Pharmacy**

### Curriculum Guide

		First '	Year		
Fall Semester	•	Spring Semester			
BIO 012/L	Pre-Professional Biology I & Lab (SCI AOI)	4 CR	CHEM 002/4	General Chemistry II & Lab	4 CR
CHEM 001/3	General Chemistry I & Lab	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 (QUAN AOI)	3 CR
PHAR 011	CAPS I (Career, Academic, & Professional Success)	1 CR	PHAR 031	CAPS II (Career, Academic, & Professional Success)	1 CR
<b>Total Semester</b>	Credit Hours	15	Total Semeste	r Credit Hours	15
		Second	l Year		
Fall Semeste	r		Spring Semester		
BIO 095	Medical Microbiology	3 CR	CHEM 108/110	O 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 052	Public Voices (CITZ AOI)	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	HSCI 060	Statistics in Health Sciences	3 CR
Total Semester Credit Hours		16.5	<b>Total Semester Credit Hours</b>		16.5
	Doc	tor of P	harmacy 1		
Fall Semester		Spring Semester			
ELEC	Drake Curriculum/General Electives	2 CR	PHAR 123	Continuing Professional Development	1 CR
PHAR 122	Continuing Professional Development	1 CR		(CPD) II	
	(CPD) I		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	2 CR
PHAR 149	Immunizations	1 CR	DUAD 171	(INFO AOI) Health Care Systems and Policies	3 CR
			PHAR 171	,	
Total Semester		17		er Credit Hours	19
	Doc	harmacy 2			
Fall Semester	•		Spring Seme	ester	
PHAR 134	Principles of Drug Action II	5 CR	ELEC - Dra	ake Curriculum/General Electives	3 CR
PHAR 141	Pharmaceutics II	3 CR	PHAR 135 Pri	nciples of Drug Action III	4 CR
PHAR 142	Kinetics	3 CR	PHAR 143 The	erapeutic Drug Monitoring	2 CR
PHAR 154	Intermediate Pharmacy Skills and Applications I	2 CR		ermediate Pharmacy Skills and plications II	2 CR
PHAR 167	Continuing Professional Development (CPD) III	1.5 CR		ntinuing Professional Development PD) IV	1.5 CR
PHAR 172	Literature Evaluation Methods	3 CR	PHAR 169 Sel	f-Care and Non-Prescription Products	3 CR
			PHAR 190 The	erapeutics I	3 CR
Total Semester Credit Hours		17.5	Total Semester Credit Hours		18.5

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Fall Semester			Spring Semester					
ELEC	Pharmacy Professional Elective	3 CR	ELEC	Pharmacy Professional Elective	2 CR			
ELEC	Drake Curriculum/General Elective	3 CR	PHAR 162	Pharmacy Law & Ethics (VE AOI)	3 CR			
PHAR 174	Management in Pharmacy	3 CR	PHAR 173	Applied Social and Administrative	3 CR			
PHAR 175	Continuing Professional Development	2 CR		Pharmacy				
	(CPD) V		PHAR 176	Continuing Professional Development	2 CR			
PHAR 184	184 Advanced Pharmacy Skills & Applications I	2 CR		(CPD) VI				
	(Equity & Inclusion)		PHAR 185	Advanced Pharmacy Skills &	2 CR			
PHAR 191	Therapeutics II	5 CR	DUAD 103	Applications II	5 CR			
			PHAR 192	Therapeutics II				
Total Semester Credit Hours		18	Total Semester Credit Hours		17			
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: 210								

#### **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. Prepharmacy students entering Fall 2020 and prior are required to complete 27 general elective credits. Area of Inquiry (AOI) courses that count towards this requirement include: Historical Foundations, Artistic Literacy, and Global and Cultural Understanding (9 credits).

Pharmacy 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 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.