

# Doctor of Pharmacy/Master of Public Health

## 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
PHAR 011	CAPS I (Career, Academic, & Professional Success)	1 CR	PHAR 031	CAPS II (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	ENG 052	Public Voices ( <i>CITZ AOI</i> )	3 CR
ELEC ---	Drake Curriculum/General Elective ( <i>WRIT AOI</i> )	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
<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 Sciences	3 CR	PHAR 140	Pharmaceutics I	2 CR
PHAR 144	Basic Pharmacy Skills & Applications I	2 CR	PHAR 145	Basic Pharmacy Skills & Applications II ( <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	DMU MPH 6--	MPH COURSE (see course list)	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 & 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>

### Summer Semester

DMU MPH 6-- MPH COURSE (see course list)	3 CR		
<b>Total Semester Credit Hours</b>	<b>3</b>		
<b>Doctor of Pharmacy 3</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
DMU MPH 6-- MPH COURSE (see course list)	6 CR	DMU MPH 6-- MPH COURSE (see course list)	3 CR
PHAR 174 Management in Pharmacy	3 CR	PHAR 162 Pharmacy Law & Ethics <i>(VE AOI)</i>	3 CR
PHAR 175 Continuing Professional Development (CPD) V	2 CR	PHAR 173 Applied Social and Administrative Pharmacy	3 CR
PHAR 184 Advanced Pharmacy Skills & Applications I <i>(EI REQ)</i>	2 CR	PHAR 176 Continuing Professional Development (CPD) VI	2 CR
PHAR 191 Therapeutics II	5 CR	PHAR 185 Advanced Pharmacy Skills & Applications II	2 CR
		PHAR 192 Therapeutics III	5 CR
<b>Total Semester Credit Hours</b>	<b>18</b>	<b>Total Semester Credit Hours</b>	<b>18</b>
<b>Doctor of Pharmacy 4 (12 months/May through May)</b>			
<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>Summer Semester</b>			
DMU MPH 6-- MPH COURSE (see course list)	12 CR		
<b>Total Semester Credit Hours</b>	<b>12</b>		
<b>Total Program Hours: 227.5</b>			

**Program Notes:**

A total of 211.5 credits are required to complete the pharmacy degree. Five (5) professional elective credits are satisfied by DMU MPH course work.

Students will typically apply for admission to the MPH program during the fall of the P2 year or after completion of 116 credits. The admission process and criteria are listed on the DMU MPH program web site: <http://www.dmu.edu/mp/>. PharmD students are also required to include a letter of support from the Drake University CPHS Student Affairs Office or their faculty mentor.

MPH Courses fulfilled by the PharmD course work (credit given following the completion of the PharmD degree):

- MPH 657 – Survey of Human Health – 3 credits
- Electives – PHAR 171 and PHAR 172 will be transferred in upon successful completion to meet 6 hours of elective credit for the MPH degree.
- MPH 658 – Internship: PHAR 285 (Clinical Rotations) can be taken as the MPH internship (all MPH internship requirements must be met and the site and preceptor approved by the DMU internship coordinator) Note – students must have completed or received credit for 24 credit hours of their MPH program of study to be eligible to take the MPH internship.

Students may enroll in additional summer coursework while taking their PharmD and may complete final MPH courses after PharmD completion. A 7-year time limit for completing the MPH degree from the date of admission to the MPH program.

Students completing DMU course work are responsible for paying tuition for the MPH courses they take at DMU.

**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.