

# Doctor of Pharmacy/Master of Science in Leadership (MSL)

## 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	Organic Chemistry I & Lab	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	LEAD 203	MSL Course	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
LEAD 202	MSL Course	3 CR	PHAR 190	Therapeutics I	3 CR
<b>Total Semester Credit Hours</b>		<b>20.5</b>	<b>Total Semester Credit Hours</b>		<b>18.5</b>

Summer Semester		
LEAD 205	MSL Course	3 CR
LEAD 206	MSL Course	3 CR
<b>Total Semester Credit Hours</b>		<b>6</b>
Doctor of Pharmacy 3		
Fall Semester		Spring Semester
LEAD 207	MSL Course	3 CR
LEAD 208	MSL Course	3 CR
PHAR 174	Management in Pharmacy	3 CR
PHAR 175	Continuing Professional Development (CPD) V	2 CR
PHAR 184	Advanced Pharmacy Skills & Applications I (EI REQ)	2 CR
PHAR 191	Therapeutics II	5 CR
<b>Total Semester Credit Hours</b>		<b>18</b>
LEAD 204	MSL Course	3 CR
PHAR 162	Pharmacy Law & Ethics (VE AOI)	3 CR
PHAR 173	Applied Social and Administrative Pharmacy	3 CR
PHAR 176	Continuing Professional Development (CPD) VI	2 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>
Doctor of Pharmacy 4 (12 months/May through May)		
Fall Semester		Spring Semester
PHAR 285	Rotations	22 CR
PHAR 177	Continuing Professional Development VII	0.5 CR
<b>Total Semester Credit Hours</b>		<b>22.5</b>
PHAR 285	Rotations	18 CR
PHAR 177	Continuing Professional Development VII	1 CR
<b>Total Semester Credit Hours</b>		<b>19</b>
Total Program Hours: 221.5		

**Program Notes:**

- PHAR 174 substituted for LEAD 201
- PHAR 172 substituted for LEAD 209
- PHAR 173 substituted for LEAD 210

A total of 211.5 credits are required to complete the pharmacy degree. Five (5) professional elective credits are satisfied by MSL coursework.

\*\*Because the P2 fall curriculum requires students to register for more than 18 credit hours, a [Credit Overload Request Form](#) must be submitted. Students are eligible for a 2.5 credit overload fee waiver, and CPHS will submit the request to the Provost's Office for final approval.

**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.

Students will typically apply for admission to the MSL program during the spring of the P1 year. Additional information can be obtained at the following website: <http://www.drake.edu/leadership/>. The admission process and criteria are listed on the MSL program website: <http://www.drake.edu/soe/admission/>.