

# DOCTOR OF PHARMACY

## Program Requirements

Courses that comprise the core curriculum of the Irma Lerma Rangel School of Pharmacy curriculum leading to the Doctor of Pharmacy degree are described below. The core includes both required and elective coursework. The courses below are listed by year and consist of didactic, laboratory, practice experience (introductory and advanced) and post-experiential offerings. Each course is shown with designations of pre- and/or corequisites where applicable.

### First Year

Fall		Semester Credit Hours
PHAR 626	Human Physiology	4
PHAR 627	Biochemistry	3
PHAR 641	Pharmaceutical Calculations	2
PHAR 610	Principles Drug Action I	2
PHAR 656	Health Care Systems	2
PHAR 672	Introduction to Patient Care	2
PHAR 671	Clinical Communications	2
PHAR 605	IPPE I: Introductory Pharmacy Practice Experiences	1
PHAR 601	Forum / Student Portfolios / Professional Development I	0
<b>Semester Credit Hours</b>		<b>18</b>

### Spring

PHAR 673	Self Care and Non-Prescription Medications	3
PHAR 611	Principles Drug Action II	2
PHAR 628	Research Methods/Biostatistics	2
PHAR 658	Public Health and Pharmacoepidemiology	2
PHAR 642	Pharmaceutics I	4
PHAR 657	Pharmacy Law and Ethics	3
PHAR 606	IPPE II: Introductory Pharmacy Practice Experiences	1
PHAR 601	Forum / Student Portfolios / Professional Development I	1
<b>Semester Credit Hours</b>		<b>18</b>

### Second Year

Fall		Semester Credit Hours
PHAR 742	Basic Pharmacokinetics	3
PHAR 741	Pharmaceutics II	3
PHAR 710	IPT I: Electrolytes, Acid-Base, and Kidney Diseases	2
PHAR 711	IPT II: Cardiovascular Diseases	4
PHAR 721	Nutrition, Vitamins, Complementary and Alternative Medicine	2
PHAR 777	Sterile Products/IV Admixtures (Lab)	1
PHAR 705	IPPE: Community Pharmacy Practice	1
PHAR 714	IPT Recitation/Rounds I	1
PHAR 701	Forum/Student Portfolios/Professional Development II	0
<b>Semester Credit Hours</b>		<b>17</b>

### Spring

PHAR 726	Microbiology/Immunology	3
PHAR 757	Pharmacy Management and Pharmacoeconomics	3
PHAR 712	IPT III: Endocrinology and Metabolic Diseases	3
PHAR 713	IPT IV: Neurology and Pain Management	3
PHAR 778	Drug Literature Evaluation and Patient Drug Education	3
PHAR 706	IPPE: Institutional Pharmacy Practice	1
PHAR 715	IPT Recitation/Rounds II	1
PHAR 701	Forum/Student Portfolios/Professional Development II	1
Elective		0
<b>Semester Credit Hours</b>		<b>18</b>

### Third Year

Fall		Semester Credit Hours
PHAR 841	Toxicology and Poison Management	2
PHAR 872	Social-Behavioral Aspects of Patient Care	2
PHAR 810	IPT V: Mental and Behavioral Health Disorders	3
PHAR 811	IPT VI: Critical Care, GI, Pulmonary, Rheumatic, Ophthalmology and Dermatology	5
PHAR 814	IPT Recitation/Rounds III	1
PHAR 801	Forum/Student Portfolios/Professional Development III	0
PHAR 842	Patient Assessment	3
Elective		3
<b>Semester Credit Hours</b>		<b>19</b>

### Spring

PHAR 873	Pharmacy Professionalism	1
PHAR 875	Clinical Pharmacokinetics	3
PHAR 871	Pharmaceutical Care Lab and Medication Therapy Management	2
PHAR 812	IPT VII: Infectious Diseases	5
PHAR 813	IPT VIII: Oncology, Transplant and Genomics	3
PHAR 801	Forum/Student Portfolios/Professional Development III	1
PHAR 815	IPT Recitation/Rounds IV	1
Elective		3
<b>Semester Credit Hours</b>		<b>19</b>

### Fourth Year

Fall		Semester Credit Hours
PHAR 8XX APPE I		6
PHAR 8XX APPE II		6
PHAR 8XX APPE III		6
PHAR 8XX APPE IV		6
<b>Semester Credit Hours</b>		<b>24</b>
Spring		Semester Credit Hours
PHAR 8XX APPE V		6
PHAR 8XX APPE VI		6

PHAR 805	Capstone	1
<b>Semester Credit Hours</b>		<b>13</b>
<b>Total Semester Credit Hours</b>		<b>146</b>

## Course Credits

The learning format of the class governs the number of Semester Credit Hours (SCH) a particular course is given. The following guidelines were used to make these determinations:

- Didactic Courses: 1 x 50 minutes = 1 Semester Credit Hour
- Seminar Courses: 2 x 50 minutes = 1 Semester Credit Hour
- Laboratory Courses: 3-4 x 50 minutes = 1 Semester Credit Hour
- Recitation Courses: 3-4 x 50 minutes = 1 Semester Credit Hour (e.g., case studies)
- Experiential Courses: 8<sup>1</sup> x 50 minutes = 1 Semester Credit Hour

<sup>1</sup> For experiential courses, semester credit hours assigned are described in the course syllabus and typically 8 or more 50 minute sessions equals 1 semester credit hour.

## Requirements for Graduation

A candidate for the Doctor of Pharmacy (Pharm. D.) degree must meet all of the following requirements to be eligible to graduate:

- Satisfactorily meeting all requirements for admission
- Satisfactorily complete all curriculum requirements including:
  - the total number of semester credit hours
  - all specified didactic and experiential coursework
  - passing all applicable comprehensive benchmark assessment activities
  - completion of all final administrative or other requirements (e.g., final debts to the college or Texas A&M University)
- Satisfactorily complete all Student Portfolio assignments
- Have a cumulative grade point average of 2.3 or higher for the total degree program requirements
- Complete all immunization certification requirements
- Complete an exit interview with the Texas A&M University Scholarships & Financial Aid and the college's Office of Student Affairs
- Submit a graduation application by the due date to the Texas A&M University Office of the Registrar
- Pay any required graduation fees or outstanding debts to the Texas A&M University Student Business Services

A student failing to meet any of these requirements may not graduate until ALL requirements are met.