

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) offerings. Each course is shown with designations of pre-and/or corequisites where applicable.

A candidate for the Doctor of Pharmacy (Pharm. D.) degree must satisfactorily complete all curriculum requirements, including passing all applicable comprehensive benchmark assessment activities, and have a cumulative grade point average of 2.3 or higher.

First Year

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

Spring

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

Second Year

Fall		Semester Credit Hours
PHAR 701	Forum/Student Portfolios/Professional Development II	0
PHAR 705	IPPE: Community Pharmacy Practice	1
PHAR 710	IPT I: Electrolytes, Acid-Base, and Kidney Diseases	2
PHAR 711	IPT II: Cardiovascular Diseases	4
PHAR 714	IPT Recitation/Rounds I	1
PHAR 721	Nutrition, Vitamins, Complementary and Alternative Medicine	2

PHAR 741	Pharmaceutics II	3
PHAR 742	Basic Pharmacokinetics	3
PHAR 777	Sterile Products/IV Admixtures (Lab)	1
Semester Credit Hours		17

Spring

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

Third Year

Fall		Semester Credit Hours
PHAR 801	Forum/Student Portfolios/Professional Development III	0
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 841	Toxicology and Poison Management	2
PHAR 842	Patient Assessment	3
PHAR 872	Social-Behavioral Aspects of Patient Care	2
Elective ¹		3
Semester Credit Hours		19

Spring

PHAR 801	Forum/Student Portfolios/Professional Development III	1
PHAR 812	IPT VII: Infectious Diseases	5
PHAR 813	IPT VIII: Oncology, Transplant and Genomics	3
PHAR 815	IPT RECITATION/ROUNDS IV	1
PHAR 874	Pre-Advanced Pharmacy Practice Experience Capstone	3
PHAR 875	Clinical Pharmacokinetics	3
Elective ¹		3
Semester Credit Hours		19

Fourth Year

Fall		Semester Credit Hours
PHAR 820	APPE: Elective I	6
PHAR 821	APPE: Elective II	6
PHAR 876	APPE: Acute Care General Medicine	6
PHAR 877	APPE: Ambulatory Care	6
Semester Credit Hours		24

Spring

PHAR 805	Capstone	1
PHAR 878	APPE: Community Practice	6
PHAR 879	APPE: Hospital/Health System Pharmacy	6
Semester Credit Hours		13
Total Semester Credit Hours		146

¹ Students are required to complete 6 semester credit hours of elective coursework. Students may complete these hours in the summer following semesters 2 and 4, or during semesters 4, 5, and 6. Students may utilize any combination of 1, 2, or 3 semester credit hours to accomplish the 6 semester credit hour requirement.