

Suggested Arrangement of Courses, Pharmacy (PharmD), Preprofessional and Professional Coursework

The following courses are required. The course sequence given here shows the usual order in which courses are taken to fulfill prerequisite requirements and illustrates the feasibility of completing requirements for the degree within six calendar years. Students who depart significantly from this sequence may need more time to complete their coursework, because most courses are taught only once a year and because in a given semester the scheduled meeting time of a preprofessional or professional course may conflict with the times of core courses or professional electives.

Requirements		Hours
1st Semester - Preprofessional		
BIO 311C	Introductory Biology I	3
CH 301	Principles of Chemistry I	3
M 408K or M 408N	Differential Calculus Differential Calculus for Science	4
RHE 306	Rhetoric and Writing	3
UGS 302 or UGS 303	First-Year Signature Course First-Year Signature Course	3
2nd Semester - Preprofessional		
U.S. history		3
Social and Behavioral Sciences core course		3
BIO 311D	Introductory Biology II	3
SDS 301	Elementary Statistical Methods	3
CH 204	Introduction to Chemical Practice	2
CH 302	Principles of Chemistry II	3
3rd Semester - Preprofessional		
CH 320M	Organic Chemistry I	3
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound	3
PHY 102M	Laboratory for Physics 302K	1
U.S. and Texas government		3
Anatomy, Physiology, or Anatomy/Physiology		3
Humanities core course		3
4th Semester - Preprofessional		
MBS 226L	General Microbiology Laboratory	2
U.S. and Texas government		3
U.S. history		3
Visual and performing arts core course		3
CH 220C	Organic Chemistry Laboratory	2
CH 320N	Organic Chemistry II	3
MBS 326R	General Microbiology	3
1st Semester - Professional		
PHM 381M	Pharmaceutical Biochemistry I	3

PHM 387M	Physical and Chemical Principles of Drugs	3
PHM 180K	Medicinal Chemistry Principles	1
PHM 180P	Basic Pharmaceutical Sciences Laboratory	1
PHM 287N	Biopharmaceutics	2
PHM 480C	Human Normal Physiology/ Pathophysiology and Basics in Pharmacology I	4
PHM 184M	Pharmacy Professional Communications	1
PHM 187F	Foundations of Patient-Centered Care I	1
PHM 181V	Pharmacy Practice Lab I	1
PHM 181S	Foundations of Professional Development I	1
PHM 191U	Foundations for Interprofessional Collaborative Practice I	1
2nd Semester - Professional		
PHM 283L	Health Behavior and Health Outcomes	2
PHM 281N	Pharmaceutical Biochemistry II	2
PHM 388M	Pharmaceutics	3
PHM 188P	Pharmaceutics Laboratory	1
PHM 480D	Human Normal Physiology/ Pathophysiology II	4
PHM 180	Pharmacotherapeutics of Vaccine-Preventable Diseases	1
PHM 185N	Biomedical and Professional Ethics	1
PHM 187G	Foundations of Patient-Centered Care II	1
PHM 182V	Pharmacy Practice Lab II	1
PHM 181T	Foundations of Professional Development II	1
PHM 191V	Foundations for Interprofessional Collaborative Practice II	1
3rd Semester - Professional		
PHM 282E	Nonprescription Pharmacotherapeutics and Self-Care I	2
PHM 295Q	Drug Information and Evidence-Based Practice	2
PHM 384L	Pharmacy and the Health Care System	3
PHM 181	Pharmacotherapeutics of the Renal and Autonomic Systems	1
PHM 182	Pharmacotherapeutics of the Respiratory System	1
PHM 383	Pharmacotherapeutics of the Cardiovascular System	3
PHM 183V	Pharmacy Practice Lab III	1
PHM 182S	Foundations of Professional Development III	1
PHM 192U	Foundations for Interprofessional Collaborative Practice III	1
Professional Elective(s)		3
4th Semester - Professional		
PHM 390N	Integrated Basic and Applied Pharmacokinetics	3

PHM 282F	Nonprescription Pharmacotherapeutics and Self-Care II	2	PHM 183T	Foundations of Professional Development VI	1
PHM 182I	Nonprescription Pharmacotherapeutics and Self-Care: Introductory Pharmacy Practice Experience	1	PHM 193V	Foundations for Interprofessional Collaborative Practice VI	1
PHM 186Q	Experiential Pharmacy Practice and Patient Counseling	1	Professional Elective(s)		3
PHM 184	Pharmacotherapeutics of the Gastrointestinal System and Nutrition	1	8th Semester - Professional*		
PHM 185	Pharmacotherapeutics of Diabetes	1	PHM 693E	Elective in Pharmacy Practice I	6
PHM 486	Pharmacotherapeutics of Infectious Diseases	4	PHM 693N	Advanced Hospital Pharmacy Practice	6
PHM 184V	Pharmacy Practice Lab IV	1	PHM 693P	Advanced Community Pharmacy Practice	6
PHM 182T	Foundations of Professional Development IV	1	9th Semester - Professional*		
PHM 192V	Foundations for Interprofessional Collaborative Practice IV	1	PHM 693S	Selective in Pharmacy Practice I	6
Professional Elective(s)		2	PHM 694C	Inpatient General Medicine Pharmacy Practice	6
5th Semester - Professional			PHM 694E	Elective in Pharmacy Practice II	6
PHM 383I	Institutional Introductory Pharmacy Practice Experience	3	10th Semester - Professional*		
6th Semester - Professional			PHM 693C	Ambulatory Care Pharmacy Practice	6
PHM 183F	Basic Intravenous Admixtures	1	Total Hours		
PHM 183G	Basic Intravenous Admixtures Laboratory	1			
PHM 295R	Advanced Evidence-Based Practice	2			
PHM 187	Pharmacotherapeutics of the Endocrine System	1			
PHM 288	Pharmacotherapeutics of Oncology and Transplant	2			
PHM 189	Pharmacotherapeutics of the Reproductive System	1			
PHM 190	Pharmacotherapeutics of Dermatology and Inflammatory Processes	1			
PHM 284I	Community Introductory Pharmacy Practice Experience	2			
PHM 185I	Ambulatory Introductory Pharmacy Practice Experience	1			
PHM 185V	Pharmacy Practice Lab V	1			
PHM 183S	Foundations of Professional Development V	1			
PHM 193U	Foundations for Interprofessional Collaborative Practice V	1			
Professional Elective(s)		3			
7th Semester - Professional					
PHM 384E	Pharmacy Law	3			
PHM 393F	Pharmacoeconomics and Pharmacy Management	3			
PHM 291	Pharmacotherapeutics of Pain and Addiction	2			
PHM 292	Pharmacotherapeutics of Psychiatric Disorders	2			
PHM 193	Pharmacotherapeutics of Neurologic Disorders	1			
PHM 186V	Pharmacy Practice Lab VI	1			

* Note: The order in which students take the fourth-year internships is at the discretion of the College of Pharmacy