

**University of Pittsburgh School of Pharmacy PhD
Pharmacometrics and Systems Pharmacology**

Fall	Course No.	Units	Spring	Course No.	Units	Summer	Course No.	Units
PhD Year 1								
Research Pract/electives	PHARM 3042/Electives	5	Research Pract/electives	PHARM 3042/Electives	5			
Pharm Sci Seminar	PHARM 3025	1	Pharmaceutical Analysis	PHARM 2001	4			
Journal Club	PHARM 3034	1	Foundations in Pharm Sci	PHARM 3071	4			
Stat Methods 1/Recitation	PHARM 3040	3	Pharm Sci Seminar	PHARM 3025	1			
Pharmacology & Therapeutics	PHARM 3028	4	Journal Club	PHARM 3072	1			
Principles of Biochemistry	PHARM 3011	1						
	PhD Credits	15		PhD Credits	15			
PhD Year 2								
Research Pract/electives	PHARM 3042/Electives	4.5	Research Pract/electives	PHARM 3042/Electives	11			Internship
Grant Writing 1	PHARM 3038	2	Grant Writing 2	PHARM 3039	2			
Pharm Sci Seminar	PHARM 3025	1	Pharm Sci Seminar	PHARM 3025	1			
Journal Club		1	Journal Club		1			
PK & Drug Response*	PHARM 5218*	3.5*						
Pharmacometrics	PHARM 3069	3						
	PhD Credits	15		PhD Credits	15			
PhD Year 3								
Research Pract/electives	PHARM 3042/Electives	12	Full-Time Dissertation					
Systems Pharmacology	PHARM 3068	3						
	PhD Credits	15						
Comprehensive Exam/Candidacy						Total PhD Credits	≥72	
PhD Year 4								
Full-Time Dissertation			Full-Time Dissertation					
PhD Year 5								
Full-Time Dissertation			Full-Time Dissertation /Thesis Defense					

- Core Courses in Pharmaceutical Sciences

- Track-specific Courses

- PHARM 3068 & PHARM 3069 offered every other fall on a rotating basis

- Good academic standing: ≥ 3.0 GPA and ≥ C+ in all core courses

- 4 credits of journal clubs & 4 credits of seminar are required

- *Suggested Elective