

University of Pittsburgh School of Pharmacy PhD – Clinical Pharmaceutical Scientist Program

Fall	Course No.	Units	Spring	Course No.	Units	Summer	Course No.	Units		
PhD Year 1										
Research Practicum/electives	PHARM 3042/Electives	6.5	Research Practicum/electives	PHARM 3042/Electives	4	Computer Methods for Clinical Research	CLRES 2005	1		
Pharmaceutical Sciences Seminar	PHARM 3024	1	Pharmaceutical Analysis	PHARM 2001	4		Clinical Research Methods	CLRES 2010	3	
Journal Club	PHARM 3034	1	Foundations in Pharmaceutical Sciences	PHARM 3071	4					
Statistical Methods 1/Recitation	PHARM 3040	3	Pharmaceutical Sciences Seminar	PHARM 3025	1					
Principles of Biochemistry	PHARM 3011	1	Journal Club		1					
Pharmacology & Therapeutics	PHARM 3028	4	Ethics & Responsible Conduct of Research	CLRES 2050	1					
Pharmacokinetics & Drug Response	PHARM 5218	3.5								
PhD Credits			15	PhD Credits			15	PhD Credits		4
PhD Year 2										
Research Practicum /electives	PHARM 3042/Electives	5	Research Practicum/electives	PHARM 3042/Electives	9-11	Internship				
Grant Writing 1	PHARM 3038	2	Grant Writing 2	PHARM 3039	2					
Pharmaceutical Sciences Seminar	PHARM 3024	1	Pharmaceutical Sciences Seminar	PHARM 3025	1					
Journal Club		1	Journal Club		1					
Regression & ANOVA	CLRES 2021	1								
Logistic Regression	CLRES 2022	1								
Advanced Pharmacokinetics	PHARM 3002	4	Clinical Pharmacy Environments*	PHARM 3067	2					
PhD Credits			15	PhD Credits			15			
PhD Year 3										
Research Practicum/electives	PHARM 3042/Electives	8	Full-Time Dissertation							
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
 - ICRE Clin Research Certificate
- Good academic standing: ≥ 3.0 gpa and ≥ C+ in all core courses
 - 4 credits of journal clubs & 4 credits of seminar are required
 - *PHARM 3067 for non-PharmD students only