

## PHD PROGRAM CURRICULUM

### 1<sup>ST</sup> YEAR STUDENTS FALL

Course number	Course Title	Course Credits
<b>Required for all Tracks</b>		
PHARM 3040	Statistics I	3
PHARM 3028	Pharmacology & Therapeutics	5
PHARM 3042	Pharmaceutical Sciences Seminar	1
PHARM 3043	Teach Me to Teach You...	1
PHARM 3009	Journal Club	1
PHARM 3042	Research practicum	1 - 5
<b>Track specific or elective</b>		
PHARM 5218	Drug Development II (Required for students in Pharmaceutics track who lack this background)	4
PHARM 3140	Introduction to Translational Research (Required for all students in Clinical Pharmaceutical Scientist Program)	2

### 1<sup>ST</sup> YEAR STUDENTS SPRING

Course number	Course Title	Course Credits
<b>Required for all Tracks</b>		
PHARM 3023	Foundations in Pharmaceutical Science	5
PHARM 2001	Pharmaceutical Analysis	3
PHARM 3024	Pharmaceutical Sciences Seminar	1
	Journal Club	1
PHARM 3042	Research practicum	1 - 5
<b>Track specific or elective</b>		
PHARM 3041	Statistics II (Elective)	3
	Other electives	2 - 5

**2<sup>ND</sup> YEAR STUDENTS FALL**

<b>Course number</b>	<b>Course Title</b>	<b>Course Credits</b>
<b>Required for all Tracks</b>		
PHARM 3038	Grant Writing I	2
PHARM 3024	Pharmaceutical Sciences Seminar	1
	Journal Club	1
PHARM 3042	Research practicum	1 - 5
<b>Track specific or elective</b>		
PHARM 5218	Drug Development II (Required for students in Pharmaceutics track who lack this background)	4
PHARM 3140	Introduction to Translational Research (Required for all students in Clinical Pharmaceutical Scientist Program)	2
PHARM 3008	Advanced Drug Delivery	3

**2<sup>ND</sup> YEAR STUDENTS SPRING**

<b>Course number</b>	<b>Course Title</b>	<b>Course Credits</b>
<b>Required for all Tracks</b>		
PHARM 3039	Grant Writing II	2
PHARM 2001	Pharmaceutical Analysis	3
PHARM 3024	Pharmaceutical Sciences Seminar	1
	Journal Club	1
PHARM 3042	Research practicum	1 - 5
<b>Track specific or elective</b>		
PHARM 3029	Modeling & Simulation	3
PHARM 3002	Advanced Pharmacokinetics	4
	Other track-specific courses and electives	2 - 5