

Graduate Degree Plan

PhD in Development, Disease Models & Therapeutics

Students Starting Academic Year: 2020-2021

General Degree Requirements:

- Completion of at least 180 term hours
- At least 30 of those term hours must be in Didactic courses
- Completion of at least three terms of Research Rotation
- Students must maintain satisfactory academic progress as detailed in the Student Handbook

Year One Requirements:

Term 1:	GS-GS-6600	Foundations A: Molecules to Systems	3 (Didactic) <i>(two-term course)</i>	Total to Date
	GS-GS-6400	Foundations B: Biostatistics	2 (Didactic) <i>(two-term course)</i>	
	GS-DD-6211 <i>or</i> GS-DD-6212	Model Systems in Developmental Biology <i>or</i> Topics in Cell Physiology	2 (Didactic)	
	GS-GS-5101	Responsible Conduct of Research 1	1	
	GS-GS-5111	Strategies for Success in Graduate School	1	
	GS-DD-5030	Research Rotation ± Electives	3	
	Total:			
Term 2:	GS-GS-6600	Foundations A: Molecules to Systems	3 (Didactic) <i>(two-term course)</i>	Total to Date
	GS-GS-6400	Foundations B: Biostatistics	2 (Didactic) <i>(two-term course)</i>	
	GS-GS-5112	Powerful Presentations	1	
	GS-DD-5100	Student Research Seminar	1	
	GS-DD-5030	Research Rotation ± Electives	5	
	Total:			
<i>Students must file a degree plan supplement with at least 7 credits 6000-level GS-DD coursework by November 30.</i>				
Term 3:	GS-DD-5100	Student Research Seminar	1	Total to Date
	GS-GS-5105	Scientific Writing	1	
	GS-DD-5110	DDMT Journal Club	1	
	GS-DD-5030	Research Rotation ± Electives	9	
	Total:			
Term 4:	GS-DD-5100	Student Research Seminar	1	Total to Date
	GS-GS-5113	Effective Project Design & Management	1	
	GS-DD-5110	DDMT Journal Club	1	
	GS-DD	Research Hours ± Electives	9	
	Total:			
Term 5:	GS-DD-5110	DDMT Journal Club	1	Total to Date
	GS-DD	Research Hours ± Electives	11	
	Total:			

Year Two Requirements:				
Term 1:	GS-DD	Research Hours ± Electives	12	Total to Date
			Total: 12	72 (12)
Term 2:	GS-GS-5102	Responsible Conduct of Research 2	1	Total to Date
	GS-DD-5101	Effectively Writing & Reviewing Proposals	1	
	GS-DD-5100	Student Research Seminar	1	
	GS-DD	Research Hours ± Electives	9	
		Total: 12	84 (12)	
Term 3:	GS-DD-5100	Student Research Seminar	1	Total to Date
	GS-DD-5110	DDMT Journal Club	1	
	GS-DD	Research Hours ± Electives	10	
			Total: 12	
<i>Student's Thesis Advisory Committee must be appointed by the end of Term 3 in the student's second year of enrollment.</i>				
Term 4:	GS-DD-5100	Student Research Seminar	1	Total to Date
	GS-DD-5110	DDMT Journal Club	1	
	GS-DD	Research Hours ± Electives	10	
			Total: 12	
Term 5:	GS-DD-5110	DDMT Journal Club	1	Total to Date
	GS-DD	Research Hours ± Electives	11	
			Total: 12	
<i>Eighteen additional didactic hours are required for a total of thirty (30)</i>				
Qualifying Exam Requirement:				
<ul style="list-style-type: none"> • Must be taken by the end of the second year of enrollment • Student must complete all prerequisite activities defined by their program before taking the exam 				
Course Requirements beyond Year Two:				
Year 3, Term 3:	GS-GS-5103	Responsible Conduct of Research 3	1	
Year 4, Term 3:	GS-GS-5104	Responsible Conduct of Research 4	1	
Recurring requirements through Graduation:				
Terms 2-4:	GS-DD-5100	Student Research Seminar		As required
Terms 1-5:	GS-DD-5050	Dissertation		As required*
<i>*Students shall enroll in the number of credits of Dissertation needed to be enrolled full-time (12 credits) each term through Graduation.</i>				
Research Course Work:				
GS-DD-5010 Readings				
GS-DD-5030 Research Rotation				
GS-DD-5040 Special Projects				
GS-DD-5050 Dissertation				
Additional Development, Disease Models & Therapeutics courses*:				
GS-DD-6201	Development	GS-DD-6209	Animal MRI	
GS-DD-6203	Animal Models of Human Disease	GS-DD-6210	Cardiovascular Diseases	
GS-DD-6205	Transmembrane Signaling	GS-DD-6301	Human Physiology 1	
GS-DD-6206	Pathophysiology & Mechanisms of Human Disease	GS-DD-6302	Human Physiology 2	
GS-DD-6207	Advanced Topics in Muscle Physiology	GS-DD-6303	Neural Development	
GS-DD-6208	Evolutionary Conservation of Developmental Mechanisms	GS-DD-6403	Advanced Topics in Cardiac Pathophysiology & Disease	
		GS-DD-6404	Advanced Topics in Vascular Pathophysiology & Disease	
<i>*Students may select electives from open course options in all graduate programs. Courses may be viewed in the Graduate Student Bulletin</i>				