

Graduate Degree Plan

PhD in Development, Disease

Models & Therapeutics

Students Starting Academic Year: 2022-2023

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 before appointing a major advisor
- 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	
		Research Rotation/Elective Courses	3	
		Total:	12 (7)	
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-DD-5100	Student Research Seminar	1	
		Research Rotation/Elective Courses	6	
		Total:	12 (5)	
<i>Students must file a degree plan supplement with at least 7 credits of 6000-level GS-DD coursework by November 30.</i>				
Term 3:	GS-GS-5105	Scientific Writing	1	Total to Date
	GS-DD-5100	Student Research Seminar	1	
	GS-DD-5110	DDMT Journal Club	1	
		Research Rotation/Elective Courses	9	
		Total:	12	
Term 4:	GS-DD-5100	Student Research Seminar	1	Total to Date
	GS-DD-5110	DDMT Journal Club	1	
		Research Hours/Elective Courses	10	
		Total:	12	
Term 5:	GS-DD-5100	Student Research Seminar	1	Total to Date
		Research Hours/Elective Courses	11	
		Total:	12	

Year Two Requirements:				
Term 1:	GS-GS-5113	Effective Project Design & Management	1	Total to Date 72 (12)
		Research Hours/Elective Courses	11	
	Total:		12	
Term 2:	GS-GS-5102	Responsible Conduct of Research 2	1	Total to Date 84 (12)
	GS-GS-5112	Powerful Presentations	1	
	GS-DD-5101	Effectively Writing & Reviewing Proposals	1	
	GS-DD-5100	Student Research Seminar	1	
		Research Hours/Elective Courses	8	
Total:		12		
Term 3:	GS-DD-5100	Student Research Seminar	1	Total to Date 96 (12)
	GS-DD-5110	DDMT Journal Club	1	
		Research Hours/Elective Courses	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 108 (12)
	GS-DD-5110	DDMT Journal Club	1	
		Research Hours/Elective Courses	10	
	Total:		12	
Term 5:	GS-DD-5100	Student Research Seminar	1	Total to Date 120 (12)
		Research Hours/Elective Courses	11	
	Total:		12	
<i>Eighteen additional didactic hours (inclusive of degree plan supplement) 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 2-5:	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 program courses*:				
GS-DD-6201	Development	GS-DD-6213	Topics in Cell Physiology	
GS-DD-6203	Animal Models of Human Disease	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-6210	Cardiovascular Diseases	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 AY22 Graduate School Bulletin</i>				

Course Requirement Checklist

PhD in Development, Disease Models & Therapeutics

Baylor
College of
Medicine

GRADUATE
SCHOOL
OF BIOMEDICAL SCIENCES

Students Starting Academic Year: 2022-2023

Foundations Courses (10 credits):				
	GS-GS-6600	Foundations A: Molecules to Systems	6	
	GS-GS-6400	Foundations B: Biostatistics	4	
Program Required Course (choose at least one course from list - 2 credits):				
	GS-DD-6211	Model Systems in Developmental Biology & Disease		
	GS-DD-6212	Topics in Cell Physiology		
Student-Selected Required Courses (at least 7 credits):				
Didactic Elective Courses (at least 11 credits):				
Responsible Conduct of Research Courses (4 credits):				
	GS-GS-5101	Responsible Conduct of Research 1	1	
	GS-GS-5102	Responsible Conduct of Research 2	1	
	GS-GS-5103	Responsible Conduct of Research 3	1	
	GS-GS-5104	Responsible Conduct of Research 4	1	
Professional Development Courses (5 credits):				
	GS-DD-5101	Effectively Writing & Reviewing Proposals	1	
	GS-GS-5105	Scientific Writing	1	
	GS-GS-5111	Strategies for Success in Graduate School	1	
	GS-GS-5112	Powerful Presentations	1	
	GS-GS-5113	Effective Project Design & Management	1	
Seminar/Journal Literature Courses:				
	GS-DD-5100	Student Research Seminar	1	
<i>Required in terms 2-5 every year from matriculation through attainment of Permission-To-Write.</i>				
	GS-DD-5110	DDMT Journal Club	1	4 total cr.
<i>Required in terms 3 and 4 during the first two years of study.</i>				
Research Hours:				
In each term, students enroll in the number of credits [beyond other coursework] needed to be enrolled full-time (minimum 1)				
	GS-DD-5030	Research Rotation	Var.	
<i>Taken each term before a mentor is appointed or candidacy is achieved (minimum 3 terms)</i>				
	GS-DD-5040	Special Projects	Var.	
<i>Taken each term after a mentor is appointed, and before candidacy is achieved.</i>				
	GS-DD-5050	Dissertation	Var.	
<i>Taken each term after both a mentor is appointed and candidacy is achieved.</i>				