## Graduate Degree Plan PhD in <u>Cancer & Cell Biology</u>

Baylor College of Medicine

graduate SCHOOL

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) (two-term course) GS-GS-6400 Foundations B: Biostatistics 2 (Didactic) (two-term course) GS-GS-5101 Responsible Conduct of Research 1 1 GS-GS-5111 Strategies for Success in Graduate School 1 GS-CC-5100 Student Research Seminar 1 Research Rotation/Elective Courses 4 Total to Date Total: 12 (5) 12 (5) Term 2: GS-GS-6600 Foundations A: Molecules to Systems 3 (Didactic) (two-term course) GS-GS-6400 Foundations B: Biostatistics 2 (Didactic) (two-term course) GS-CC-5101 Reading & Evaluating Scientific Literature 1 GS-CC-5100 Student Research Seminar 1 5 Research Rotation/Elective Courses Total to Date Total: 12 (5) 24(10)GS-CC-6208 2 (Didactic) Term 3: Cellular Signaling GS-CC-6211 Gene Regulation 2 (Didactic) GS-GS-5105 Scientific Writing 1 GS-CC-5100 Student Research Seminar 1 6 Research Rotation/Elective Courses Total to Date Total: 12 (4) 36 (14) GS-CC-6302 Term 4: Molecular Carcinogenesis 3 (Didactic) GS-CC-5301 NRSA Grant Writing & Project Development 1 3 1 GS-CC-5100 Student Research Seminar Research Hours/Elective Courses 5 Total to Date Total 12 (3) 48 (17) Research Hours/Elective Courses Term 5: 12 Total to Date: Total: 12 60 (17) Year Two Requirements: GS-CC-5302 NRSA Grant Writing & Project Development 2 Term 1: 3 GS-CC-5100 1 Student Research Seminar Research Hours/Elective Courses 8 Total to Date Total: 12 72 (17) Student's Thesis Advisory Committee must be appointed by the end of Term 1 in the student's second year of enrollment.

Term 2:	GS-GS-5102	2 Responsible Conc	luct of R	esearch 2		1		
Term 2.	GS-GS-5112	Powerful Presentations				1		
	GS-CC-5100	Student Research Seminar				1		
	00 00 0100	Research Hours/				9	Total to Date	
		Total:				12	84 (17)	
Term 3:	GS-CC-5100	) Student Research	Student Research Seminar					
			Research Hours/Elective Courses			11	Total to Date	
		Total:				12	96 (17)	
Term 4:	GS-CC-5100	) Student Research	Student Research Seminar			1		
		Research Hours/	Research Hours/Elective Courses			11	Total to Date	
		Total:			12	108 (17)		
Term 5:		Research Hours/	Elective	Courses		12	Total to Date	
						12	120 (17)	
	4		-	Thirteen additiona	al didactic	hours are required	for a total of thirty (30)	
Qualifyin	g Exam Red	quirement:						
• Mus	t be taken by t	the end of the second	year of	enrollment.				
• Stud	ent must com	plete all prerequisite a	ctivities	defined by the	ir progra	m before taking	the exam.	
Course R	equirement	s beyond Year Tw	0:					
Year 3, Term 3:		S-GS-5103 Responsible Conduct of Res		t of Rese	arch 3	1		
Year 4, Term 3:		GS-GS-5104	nsible Conduc	uct of Research 4 1				
Recurring	g requireme	nts until Graduati	o <b>n:</b>					
Terms 1-4:		GS-CC-5100	nt Research Ser	Research Seminar				
Terms 1-5:		GS-CC-5050 Disser		tation			As required*	
*[	Students shall enro	ll in the number of credits o	f Dissertat	ion needed to be en	rolled full-ti	me (12 credits) each	term through Graduation.	
Research	Course Wo	rk:						
	GS-CC-5010	) Readings						
	GS-CC-5030		1					
	GS-CC-5040	1 /						
	GS-CC-5050	) Dissertation						
Additio	onal Cano	cer & Cell Bio	logy	program	cours	es*:		
GS-CC-610	)1 Cancer			GS-CC-6207	Ethics a	& Regulatory Pre	ep for Research with	
GS-CC-6103 Biology of Aging					Animal	Animal Models		
GS-CC-6201 Translational Cancer Biology				GS-CC-6210	Tumor,	Tumor, Technology, Therapy		
GS-CC-6202 Explorative Data Analysis				GS-CC-6303	Reprod	Reproductive Biology		
GS-CC-6203 Integrated Microscopy				GS-CC-6304	Biology & Mechanisms of Age-Related			
GS-CC-6204 Regulation of Energy Homeostasis					Disease			
GS-CC-6205 Translational Breast Cancer Research				GS-CC-6401	Technologies for Cancer Drug Discovery &			
GS-CC-620	6 Cell Death	in Development & I				pment (two-term	· · · · · · · · · · · · · · · · · · ·	
			*Students	-	~ 1	*	n all graduate programs. Fraduate School Bulletin	

## Course Requirement Checklist PhD in <u>Cancer & Cell Biology</u>

Baylor College of Medicine



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 Core Courses (7 credits):		
GS-CC-6208 Cellular Signaling	2	
GS-CC-6211 Gene Regulation	2	
GS-CC-6302 Molecular Carcinogenesis	3	
Didactic Elective Courses (at least 13 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 (10 credits):		
GS-CC-5101 Reading & Evaluating Scientific Literature	1	
GS-CC-5301 NRSA Grant Writing & Project Development 1	3	
GS-CC-5302 NRSA Grant Writing & Project Development 2	3	
GS-GS-5105 Scientific Writing	1	
GS-GS-5111 Strategies for Success in Graduate School	1	
GS-GS-5112 Powerful Presentations	1	
Seminar/Journal Literature Course:		
GS-CC-5100 Student Research Seminar	1	
Required in terms 1-4 every year from matriculation through attainment of Permission	1-To-Write.	
Research Hours:		
In each term, students enroll in the number of credits [beyond other coursework] nee		enrolled full-time (minimum 1)
GS-CC-5030 Research Rotation	Var.	
Taken each term when a mentor is not appointed (minimu		
GS-CC-5040 Special Projects Taken each term after a mentor is appointed, and before candidacy	Var.	
GS-CC-5050 Dissertation	Var.	
	var.	