

## Graduate Degree Plan PhD in <u>Genetics & Genomics</u>



Students Starting Academic Year: 2021-2022

## **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

## **Track Selection:**

Genetics & Genomics students may select to pursue the standard PhD curriculum, or can opt to purse a track in Bioinformatics, Genomics, and Systems Biology (BiGSB). The choice between following the regular track or the BiGSB track is made during the first week of classes in the student's first year in the program. Additional information is available from genetics-gradprgm@bcm.edu.

## **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-GG-5100	Student Research Seminar	1	
	GS-GG-5030	Research Rotation + Electives	5	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-GG-6305	Model Systems Genetics	3 (Didactic)	
	GS-GG-5100	Student Research Seminar	1	
	GS-GG-5030	Research Rotation + Electives	3	Total to Date
		Total:	12 (8)	24 (13)
Term 3:	GS-GG-6204	Method & Logic in Genetics & Genomics	2 (Didactic)	
	GS-GG-6202	Mammalian Genetics (Regular track students)	2 (Didactic)	
	or	or		
	GS-GS-6203	Data Mining (BiGSB track students)		
	GS-GG-5105	Genetics & Genomics Journal Club	1	
	GS-GG-5100	Student Research Seminar	1	
	GS-GS-5105	Scientific Writing	1	
	GS-GG-5030	Research Rotation + Electives	5	Total to Date
		Total:	12 (4)	36 (17)
Term 4:	GS-GG-6302	Human Genetics	3 (Didactic)	
	GS-IY-6403	Fundamentals of Effective Grant Writing	4 (Didactic)	
	GS-GG-5105	Genetics & Genomics Journal Club	1	
	GS-GG-5100	Student Research Seminar	1	
	GS-GG	Research Hours + Electives	3	Total to Date
		Total:	12 (7)	48 (24)
Term 5:	GS-GG-5105	Genetics & Genomics Journal Club	1	
	GS-GG	Research Hours + Electives	11	Total to Date
		Total:	12	60 (24)

Term 1:	GS-GG-5100	Student I	Research Seminar	1	
Term 1.	GS-GG		Hours + Electives	11	 Total to Date
	G5-GG	Total			72 (24
Term 2:	GS-GG-5100	Student 1	1	- (	
	GS-GS-5102		ble Conduct of Research 2	1	
	GS-GG		Hours + Electives	10	Total to Date
			Total:		84 (24)
Term 3:	GS-GG-5105	Genetics	& Genomics Journal Club	1	
	GS-GG-5100	Student I	Research Seminar	1	
	GS-GG	-GG Research Hours + Electives		10	Total to Date
			Total:	12	96 (24
Student's Th	esis Advisory Con	ımittee musi	t be appointed by the end of Term 3 in th	ne student's	second year of enrollment
Term 4:	GS-GG-5105	Genetics	& Genomics Journal Club	1	
	GS-GG-5100	S-GG-5100 Student Research Seminar		1	
	GS-GG	GS-GG Research Hours + Electives		10	Total to Date
			Total:	12	108 (24)
Term 5:	GS-GG-5105		& Genomics Journal Club	1	
	GS-GG	G Research Hours + Electives 11			Total to Date
			Total:	12	120 (24)
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Courses may be viewed in the <u>AY21 Graduate School Bulletin</u>