

Cell and Molecular Biology Degree Plan

Year	Term	Half/ Full	Title	Credit Hour	Total Credit Hrs/Term	
First Year	Fall	Full	Core Course - Proteins	2	Total Semester: 12	
			Core Course - Genes	2		
			Core Course - Cells	2		
			Professionalism, Responsible Conduct of Research, and Ethics I	1		
			Laboratory Rotations	5		
	Spring	Full	Laboratory Rotations	3.5	Total Semester: 12	
			Professionalism, Responsible Conduct of Research, and Ethics II	1		
		1 st Half	Cellular Signaling	1.5		
			Advanced Elective Coursework*	3.0		
			Current Topics in Cell Biology	1.5		
2 nd Half	Elective Coursework*	1.5				
	Research	6	Total Semester: 6			
Summer						
`Second Year	Fall	Full	Introduction to Biostatistics and Bioinformatics	2	Total Semester: 9	
			Professional Communication	1.5		
			Work-In-Progress (WIP) Seminar	1		
			Research	4.5		
	Spring	Full	Work-In-Progress (WIP) Seminar*	1	Total Semester: 9	
			Research	8		
	Summer			Dissertation Research	6	Total Semester: 6
	Third Year	Fall	Full	Dissertation Research	8	Total Semester: 9
Work-In-Progress (WIP) Seminar *				1		
Spring		Full	Dissertation Research	8	Total Semester: 9	
			Work-In-Progress (WIP) Seminar *	1		
Summer				Dissertation Research	6	Total Semester: 6
Fourth Year & Beyond	Fall	Full	Dissertation Research	8	Total Semester: 9	
			Work-In-Progress (WIP) Seminar and Journal Club	1		
	Spring	Full	Dissertation Research	8	Total Semester: 9	
			Work-In-Progress (WIP) Seminar*	1		
	Summer			Dissertation Research	6	Total Semester: 6
Minimum Credit Hours for PhD					102	

Students are required to complete a total of 3.0 credit hours of advanced elective coursework that can be chosen from any course within the Division of Basic Science. These may be taken as needed in either the first or second half of the Spring semester. Students may also take an Elective course in the Fall instead of one of the Advanced Electives in the Spring. Rotation hours will be adjusted accordingly.

*WIPS attendance is mandatory. WIPs are presented by students in their third year and beyond.
All students must attend the annual retreat and present a poster or talk.