

## Cell Regulation Degree Plan

Year	Term	Title	Credit Hour	Total Credit Hrs/Term	
<b>First Year</b>	<b>Fall</b>	DBS Core Course	9		
		Ethics	1		
		Rotations	2	Semester Total: 12	
	<b>Spring</b>	Ethics	1		
		Reg of Cell Architecture & Dynamics	1.5		
		Advanced coursework*	Variable		
		Rotations	Variable	Semester Total: 12	
<b>Summer</b>	Research	6	Semester Total: 6		
<b>Second Year</b>	<b>Required</b>	<b>Fall</b>	Ethics	1	
			Seminar	1	
			Research	Variable	
			Signal Transduction I	1.5	
			Signal Transduction II	1.5	
			Advanced Coursework*	Variable	
	<b>Electives</b>		Seminar	1	Semester Total: 9
	<b>Required</b>	<b>Spring</b>	Research	Variable	
			Advanced Coursework*	Variable	
	<b>Electives</b>		Research	6	Semester Total: 9
	<b>Summer</b>	Research	1	Semester Total: 6	
<b>Third Year</b>	<b>Fall</b>	Dissertation Research	8		
		Seminar	1	Semester Total: 9	
	<b>Spring</b>	Dissertation Research	8		
		Seminar	1	Semester Total: 9	
	<b>Summer</b>	Dissertation Research	6	Semester Total: 6	
<b>Fourth Year &amp; Beyond</b>	<b>Fall</b>	Dissertation Research	8		
		Seminar	1	Semester Total: 9	
	<b>Spring</b>	Dissertation Research	8		
		Seminar	1	Semester Total: 9	
	<b>Summer</b>	Dissertation Research	6	Semester Total: 6	
<b>Minimum Credit Hours for PhD</b>				<b>102</b>	

*Advanced Coursework	Credit Hour
Mechanisms of Drug Action	3
Quant Mod/Biochem Signal Systems I	1.5
Quant Mod/Biochem Signal Systems II	1.5
Advances in Germ & Stem Biology	1.5
Optical Microscopy	1.5
Other Electives Approved by Program	Variable

First year DBS students take 12 credit hours in fall and spring, and 6 credit hours in the summer semesters. In subsequent years they are enrolled in 9 credit hours in fall and spring, and 6 credit hours in the summer. Typically, didactic coursework is completed in the first two years, and in subsequent years students are enrolled for research, seminars, or journal clubs totaling full-time enrollment equivalency.