

Biological Chemistry Degree Plan

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.

Year	Term	Title	Credit Hour	Total Credit Hrs/Term	
First Year	Fall	DBS Core Course	9		
		Ethics Module I	1		
		Rotations	2	Semester Total: 12	
	Spring	Ethics Module II	1		
		Advanced Coursework*	Variable		
		Rotations	Variable	Semester Total: 12	
Summer	Research	6	Semester Total: 6		
Second Year	Required	Fall	Ethics Module III	1	
			Physical Biochemistry I	1.5	
			Physical Biochemistry II	1.5	
			Contemporary Topics	1	
			Seminar	1	
			Research	Variable	
	Electives		Advanced Coursework*	Variable	Semester Total: 9
	Electives	Spring	Contemporary Topics	1	
			Seminar	1	
			Research	Variable	
Electives		Advanced Coursework*	Variable	Semester Total: 9	
Summer	Research	6	Semester Total: 6		
Third Year	Fall	Dissertation Research	7		
		Contemporary Topics	1		
		Seminar	1	Semester Total: 9	
	Spring	Dissertation Research	7		
		Contemporary Topics	1		
		Seminar	1	Semester Total: 9	
Summer	Dissertation Research	6	Semester Total: 6		
Fourth Year & Beyond	Fall	Dissertation Research	7		
		Contemporary Topics	1		
		Seminar	1	Semester Total: 9	
	Spring	Dissertation Research	7		
		Contemporary Topics	1		
		Seminar	1	Semester Total: 9	
Summer	Dissertation Research	6	Semester Total: 6		
Minimum Credit Hours for PhD				102	

Students are required to complete a total of 6 credit hours of Advanced Coursework. 3 credit hours must be within the Biochemistry area which are listed below. The remaining 3 credit hours can be from any course within the Division of Basic Science, including Biochemistry.

*Advanced Coursework	Credit Hour
Signal Transduction I	1.5
Signal Transduction II	1.5
Gene Transcription	1.5
Molecular Basis of Metabolic Regulation	1.5
Mechanisms of Drug Action	3