

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
			Advanced Coursework*	Variable
	Electives			Semester Total: 9
	Electives	Spring	Contemporary Topics	1
			Seminar	1
			Research	Variable
			Advanced Coursework*	Variable
		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