

## Organic 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 year, and in subsequent years students are enrolled in dissertation research and a Work-In-Progress (WIP) seminar totaling full-time enrollment equivalency. Advancement of the student to Ph.D. candidacy is dependent upon successful completion of all coursework and the qualifying examination, which takes place in the second year.

Year	Term	Half/ Full	Title	Credit Hour	Total Credit Hrs/Term
First Year	Fall	1 <sup>st</sup> Half	Core Curriculum - Proteins	2	
		2 <sup>nd</sup> Half	Drug Discovery	1.5	
		Full	Chemical Structure & Reactivity	3	
			Advanced Problems in Reaction Mechanisms I	1.5	
			Professionalism, Responsible Conduct of Research, and Ethics I	1	
			Laboratory Rotations	3	Semester Total: 12
	Spring	1 <sup>st</sup> Half	Chemical Synthesis	1.5	
			Contemporary Topics	1.5	
		2 <sup>nd</sup> Half	Advanced Synthesis & Catalysis	1.5	
			Enzymes & Disease	1.5	
			Advanced Problems in Reaction Mechanisms II	1.5	
		Full	Professionalism, Responsible Conduct of Research, and Ethics II	1	
			Laboratory Rotations	3.5	Semester Total: 12
	Summer		Research	6	Semester Total: 6
Second Year	Fall	1 <sup>st</sup> Half	Grant Writing Workshop	–	
		Full	Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Spring	Full	Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Summer		Dissertation Research	6	Semester Total: 6
Third Year	Fall	Full	Dissertation Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Spring	Full	Dissertation Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Summer		Dissertation Research	6	Semester Total: 6
Fourth Year & Beyond	Fall	Full	Dissertation Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Spring	Full	Dissertation Research	8	
			Work-In-Progress Seminar (WIP)	1	Semester Total: 9
	Summer		Dissertation Research	6	Semester Total: 6
Minimum Credit Hours for PhD				102	