

REQUIRED CORE COURSES – 7.5 credit hours			Check if completed
CHEM 5420	Spectroscopy of Organic Compounds	1.5 ch	
CHEM 6410	Basic Organic Reaction Mechanisms	1.5 ch	
CHEM 6420	Stereochemistry and Conformational Analysis	1.5 ch	
CHEM 6430	Introduction to Organic Synthesis	1.5 ch	
CHEM 6440	Introduction to Physical Organic Chemistry	1.5 ch	
			Total = 7.5 credit hours
EITHER CHEM 7450 OR CHEM 7460			Check if completed
CHEM 7450	Metals in Organic Synthesis	1.5 ch	
CHEM 7460	Advanced Organic Reaction Mechanisms	1.5 ch	
			Total >= 1.5 credit hours
6 ADDITIONAL GRADUATE CREDIT HOURS			
-3 of these credit hours must be for courses outside of the Organic Division			
Course Number	Course Name	# Credit Hours	Check if completed
1.			
2.			
3.			
4.			
			Total >= 3 credit hours
Total credit hours of graded graduate lecture classes >= 15 credit hours			
OTHER REQUIRED COURSES			
CHEM 6780	Faculty Research Presentations	1 credit hour	
CHEM 6781	Laboratory Safety	1 credit hour	
CHEM 6782	Ethics in Scientific Research	1 credit hour	
CHEM 8894	Organic Divisional Seminar	1 credit hour; repeatable each Autumn and Spring semester	
CHEM 8998	Non-Dissertation Research	1-15 credit hours; First Autumn semester only	
CHEM 8999	Dissertation Research	1-15 credit hours; repeatable each semester	