

REQUIRED CORE COURSES – 3 credit hours			Check if completed
CHEM 6110	Survey of Instrumental Methods	1.5 ch	
CHEM 6120	Analytical Data Treatment	1.5 ch	
			Total = 3 credit hours
9 CREDIT HOURS OF ANALYTICAL COURSES AT THE 71xx LEVEL			Check if completed
CHEM 7120	Electrochemistry	3 ch	
CHEM 7130	Fundamentals & Techniques of Separation Science	3 ch	
CHEM 7140	Analytical Spectroscopy	3 ch	
CHEM 7150	Mass Spectrometry	3 ch	
CHEM 7160	NMR Spectroscopy	3 ch	
CHEM 7170	Analytical Surface Science	3 ch	
			Total >= 9 credit hours
OTHER ELECTIVES			
6 credit hours of graduate courses must come from outside the Analytical Division			
Course Number	Course Name	# Credit Hours	Check if completed
1.			
2.			
3.			
4.			
			Total >= 6 credit hours
Total credit hours of graded graduate lecture courses >= 18 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 8891	Analytical 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	