

REQUIRED CORE COURSES – 6 credit hours			
CHEM 6310	Fundamentals of Coordination Chemistry	1.5 ch	
CHEM 6320	Synthetic Principles in Inorganic Chemistry	1.5 ch	
CHEM 6330	Group Theory and Bonding	1.5 ch	
CHEM 6340	Physical Methods in Inorganic Chemistry	1.5 ch	
		Total = 6 credit hours	
4.5 CREDIT HOURS OF 7000-LEVEL INORGANIC CLASSES			
CHEM 7310	Inorg Chem of Bioinspired Energy Conversion	1.5 ch	
CHEM 7320	Organometallic Chemistry	1.5 ch	
CHEM 7330	Solid State Chemistry	1.5 ch	
CHEM 7340	Diffraction Methods	1.5 ch	
CHEM 7350	Inorganic Photochemistry	1.5 ch	
CHEM 7360	Bioinorganic Chemistry	1.5 ch	
CHEM 7370	Nanochemistry & Nanomaterials	1.5 ch	
CHEM 7380	Inorganic Materials	1.5 ch	
		Total >= 4.5 credit hours	
7.5 ADDITIONAL GRADUATE CREDIT HOURS			
-minimum of 3 credit hours from outside of the Inorganic Division			
Course Number	Course Name	# Credit Hours	Check if completed
1.			
2.			
		Sub-total >= 3 credit hours	
-minimum of 3 credit hours at the 7000-level or above			
Course Number	Course Name	# Credit Hours	Check if completed
1.			
2.			
		Sub-total >= 6 credit hours	
-minimum of 1.5 additional graduate credit hours			
Course Number	Course Name	# Credit Hours	Check if completed
1.			
		Total >= 7.5 credit hours	
Total credit hours of graded graduate lecture classes >= 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 8893	Inorganic 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	