College of Agriculture, Science and Technology Department of Chemistry

PROGRAM: MASTER OF SCIENCE IN

APPLIED CHEMISTRY



(Fall-Year 1)			(Spring-Year 1)			
Course	Course Name	Cr	Course	Course Name	Cr	
*CHEM 521	Advanced Analytical Chemistry	3	*CHEM 506	Structural Inorganic Chemistry	3	
*CHEM 556	Seminar in Chemistry I	1	+CHEM510	Environmental Chemistry	3	
*CHEM 560	Chemical Literature	1	+CHEM 519	Applications of Spectroscopy	3	
+CHEM 570	Polymer Process & Characterization	3	+CHEM511	Selected Topics in Chemistry	3	
+CHEM 518	Molecular Spectroscopy	3	*CHEM 557	Seminar in Chemistry II	1	
*CHEM 591	Thesis & Research	1	*CHEM 592	Thesis & Research	1	
	Total Credits	12		Total Credits	14	

(Fall-Year 2)			(Spring-Year 2)		
Course	Course Name	Cr	Course	Course Name	Cr
*CHEM 573	Advanced Physical Chemistry	3	*CHEM 520	Advanced Organic Chemistry	3
+CHEM 508	Theory & Application. of Chromatography.	3	+CHEM 562	Chemical Toxicology	3
+CHEM 521	Advanced Biochemistry	3	+CHEM 569	Polymer Chemistry	3
+CHEM511	Selected Topics in Chemistry	3	+CHEM 630	Electroanalytical Chemistry	3
*CHEM 591	Thesis & Research	2	*CHEM 592	Thesis & Research	2
	Total Credits	14		Total Credits	15

Year 3 begins to repeat Year 1

(Insert Year and Semester and/or Term)			(Insert Year and Semester and/or Term)		
Course	Course Name	Cr	Course	Course Name	Cr
	Total Credits			Total Credits	
		Total Cred	its:		

- * Denotes a Core Requirement
- + Denotes an elective
- Total Core Credits = 21 (including 6 credits of Thesis & Research)
- Total Elective Credits =9
- Candidacy Requirement:
 - (1) 9 credits of coursework with GPA of 3.0 or higher;
 - (2) Approved Advisory Committee Form;
 - (3) Approved research proposal.
- Capstone or Culminating Experience: Thesis Oral Defense