Road Map For Chemistry Majors

Freshmen Year

Fall 2014 (1st Semester)			**Spring 2015 (2nd Semester)**		
Course	**Credit Hr**	**Remarks/ Status**	**Course**	**Credit Hr**	**Remarks/ Status**
UNIV 100	3		CHEM 160	4	
*GEC			GEC		
GEC			GEC		
GEC			CHME 150	4	
GEC			GEC		

Sophomore Year

Fall 20….(3rd Semester)			**Spring 20…. (4th Semester)**		
Course	**Credit Hr**	**Remarks/ Status**	**Course**	**Credit Hr**	**Remarks/ Status**
CHME 170	4		CHEM 261	4	
GEC			GEC		
GEC			GEC		
CHEM 250	4		CHEM 260	4	
GEC			CHEM 270	4	

Junior Year

Fall 20…. (5th Semester)			**Spring 20…. (6th Semester)**		
Course	**Credit Hr**	**Remarks/ Status**	**Course**	**Credit Hr**	**Remarks/ Status**
CHME 370	4		CHME 350	4	
CHME 311	4		CHME 330	4	
CHME 320	4		CHME 361	4	
**EC	4		**EC	4	

Senior Year

Fall 20…. (7th Semester)			**Spring 20…. (8th Semester)**		
Elective Course	**Credit Hr**	**Remarks/ Status**	**Elective Course**	**Credit Hr**	**Remarks/ Status**
CHME 260	4	Students are advised to take as many elective courses of their area of interest as possible	CHME271	4	Students are advised to take as many elective courses of their area of interest as possible
CHME 413	4		CHME470	4	
CHME 421	4		CHME472	3	
CHME 430	4		CHME462	4	
CHME 440	4		CHME465	4	
CHME 450	4		CHME453	3	
CHME 455	4		CHME442	4	
CHME 454	3				
CHME 464	4				
CHME 473	4				

Students are strongly advised to complete GECs by the end of sophomore year and core courses by the end of junior year. In the senior year they should take as many elective courses as possible.

*GEC:General Education Course
**EC: Elective course

Major Road Map of Department of Chemistry

Courses and requirements for Chemistry Majors

Core Courses					Elective Courses / Specializations				
Core Courses	Cr. H	Pre Req.	Offered in Semester	Remarks (Equivalence / Courses for)	Elective Courses	Cr. H	Pre Req.	Offered in Semester	Remarks (Equivalence/ Courses for)
CHEM 250	4	A-Level/Fsc Chemistry	Fall & Spring		**Inorganic-Analytical Chemistry**				
CHEM 261	4	A-Level/Fsc Chemistry	Fall & Spring		CHEM 413	4	CHEM 311/370	Fall/ spring	
CHEM 270	4	A-Level/Fsc Chemistry	Fall & Spring		CHEM 450	4	CHEM 250/350	Fall	
CHEM 311	4	Open to Jr. & Sr.	Fall & Spring		CHEM 453	3	CHEM 250/350	Spring	
CHEM 320	4	Open to Jr. & Sr.	Fall & Spring		CHEM 454	3	CHEM 250/350	Fall	
					CHEM 455	4	CHEM 250/350	Fall	
CHEM 330	4	CHEM 160 or equivalent	Fall & Spring		**Organic-Bio chemistry**				
CHEM 350	4	CHEM 150/ 250	Fall & Spring		CHEM 430	4	CHEM 330	Fall	
CHEM 361	4	CHEM 260/ 261	Fall & Spring		CHEM 462	4	CHEM 260/261/361	Spring	
CHEM 370	4	CHEM 170 / 270	Fall & Spring		CHEM 464	4	CHEM 260/261/361	Fall	
Total Credits	36				CHEM 465	4	CHEM330/ 261	Spring	
					CHEM 260	4	A-Level/ FSc Chemistry	Fall	
					Physical Chemistry				
					CHEM 271	4	CHEM 170/150	Spring/ Fall	
					CHEM 470	4	CHEM 261/370	Spring	
					CHEM 472	3	CHEM 270	Spring	
					CHEM 473	4	CHEM 270/370	Fall	
					Other Electives				
					CHEM 421	4	CHEM 260/261/330	Fall	
					CHEM 440	4	Open to Jr. & Sr.	Fall	
					CHEM 442	4	Open to Jr. & Sr.	Spring	
					Total Credits	61			

Note:

Requirements for Major:
48 credit hours including 9 core courses and at least 12 credit hours from elective courses.

Requirement for Minor:
24 credit hours of 200 level courses or above by selecting at least one course from each of the following areas of elective courses.

Inorganic-Analytical Chemistry, Organic-Bio Chemistry and Physical Chemistry

Courses for non science students: CHEM 100

Any other instructions