

**Chemistry and Biochemistry Department**  
**Industrial Chemistry Option**  
**Curriculum Year: 2014-2015**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.  
 Students should pay attention to these concerns when deviating from this plan.*

Year 1	Fall	Units	Winter	Units	Spring	Units	Comment
	CHM 121/L	4	CHM 122/L	4	CHM 123/L	4	
MAT 114	4	PHY 131/131L	4	PHY 132/132L	4		
BIO 115/L/A	5	MAT 115	4	MAT 116	4		
G.E. Area A1-3	4	G.E. Area A1-3	4	G.E. Area A1-3	4		
		Unrestricted electives	(3)				
<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>19</b>	<b>Total Units</b>	<b>16</b>		
<b>Total Units for Year</b>						<b>52</b>	
Year 2	Fall	Units	Winter	Units	Spring	Units	Comment
	CHM 221/L	4	CHM 315/318L	4	CHM 316/319L	4	
CHM 314 / 317L	4	CS 128	4	STA 309	3		
PHY 133/133L	4	G.E. Area C2	4	HST 202 GE Area D1b	4		
G.E. Area C1	4	PLS 201 GE Area D1a	4	GE Area C3	4		
<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>15</b>		
<b>Total Units for Year</b>						<b>47</b>	
Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	CHM 304/304A or 311	4 (3)	CHM 305 or 312	3	CHM 313	3	
GE Area C4	4	Elective Support	3	Elective Support	3		
CHM 342/L	4	CHM 344/L	4	CHM 343/L	4		
EC 201/Area D2	4	G.E. Area D3	4	CHM 340	4		
		CHM 352L	3	SCI 471	2		

		Total Units	15-16	Total Units	17	Total Units	16		
		Total Units for Year				48-49			
<b>Year 4</b>	Fall	Units	Winter	Units	Spring	Units	Comment		
	CHM 424/L	4	Option Adv. Core Elective^	3	CHM 492	3	*CHM 422/L (Sp) or 424/L (F) may be replaced by taking CHM 423/L (W), approval via general academic petition.  ^Option advanced electives may be chosen from approved 400-level chemistry courses, please see advisor or department chair.		
			CHM 491	3	CHM 493	2			
	Option Adv. Core Elective^	3(4)	GE Area D4	4	CHM 422/L*	4			
	CHM 321/L or 327/L or 401	4 (3)	PSY 201/GE Area E	4	GE Area B5	4			
	SCI 472	2	CHM 328/L(if 327/L taken)	(4)					
Total Units	12-14	Total Units	14-18	Total Units	13				
		Total Units for Year				39-45			
<b>Total Units on Plan</b>						<b>180</b>			
<b>Major Core Units</b>						75-80			
<b>Major Support Units</b>						46			
<b>General Education Units</b>						68			
<b>Unrestricted Elective Units</b>						0-3			

Cooperative education is especially important to this option. The student is encouraged to take a full-time cooperative education position (4 units) in local industry during the summer between either the sophomore/junior years or the junior/senior years.