

**Chemistry Department
Industrial Chemistry Option
Curriculum Year: 2009-2010**

*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.*

	Fall	Units	Winter	Units	Spring	Units	Comment
	Year 1	CHM 121/L	4	CHM 122/L	4	CHM 123/L	
	MAT 114	4	PHY 131/131L	4	PHY 132/132L	4	
	BIO 115/L	5	MAT 115	4	MAT 116	4	
	G.E. Area A 1	4	G.E. Area A2	4	G.E. Area A3	4	
			Electives	(3)			
	Total Units	17	Total Units	16(19)	Total Units	16	
	Total Units for Year					49-52	
Year 2	CHM 221/L	4	CHM 315/318L	4	CHM 316/319L	4	*Lists of the approved option packages are available in the Chemistry Dept. office. The student must take two 12 unit packages. One of these packages should also count for general education Area 5.
	CHM 314 / 317L	4	An approved computer science course	4	CS 130	4	
	PHY 133/133L	4	G.E. Area C	4	HST 202	4	
	G.E. Area C	4	PLS 201	4	Industrial Chemistry Option Packages*	4	
	Electives	(2)					
	Total Units	16(18)	Total Units	16	Total Units	16	
	Total Units for Year					48-51	
Year 3	CHM 304/304A or 311	4 (3)	CHM 305 or 312	3	CHM 313	3	*Lists of the approved option packages are available in the Chemistry Dept. office. The student must take two 12 unit packages. One of these packages should also count for general education
	Industrial Chemistry Option Packages*	4	Industrial Chemistry Option Packages*	4	Industrial Chemistry Option Packages*	4	
	CHM 342/L	4	CHM 343/L	4	CHM 344/L	4	

	EC 201 G.E. Area D	4	G.E. Area C	4	CHM 340	4	Area 5.
			CHM 352A/L	3	MTE 207/317L	4	
	Total Units	16(15)	Total Units	18	Total Units	16(19)	
	Total Units for Year					49-53	
Year 4	Fall	Units	Winter	Units	Spring	Units	*Lists of the approved option packages are available in the Chemistry Dept. office. The student must take two 12 unit packages. One of these packages should also count for general education Area 5. **It is recommended that cooperative education be taken as a 4 unit summer position if possible. ***Advanced chemistry electives may be chosen from the following courses: CHM 402,409,413,422/422L, 446/446, 450, 452/452L, 460. If it is not possible to enroll in cooperative education, then, 4 additional units of advanced chemistry electives must be taken (for a total 10-12) units.
	CHM 424/L or CHM 422/422L	4	STA 309	3	CHM 492	3	
			CHM 491	3	CHM 493	2	
	Advanced Chemistry Electives***	(4)	Advanced Chemistry Electives***	3 (4)	Advanced Chemistry Electives***	3 (4)	
	CHM 321/L or 327/L or 401	4 (3)	G.E.	4	Electives	3 (4)	
	PSY 201/GE Area E	4	Industrial Chemistry Option Packages*	4	Industrial Chemistry Option Packages*	4	
	SCI 470	2	SCI 471	2			
	Total Units	16-18	Total Units	17-19	Total Units	16-18	
Total Units for Year					49-55		
Total Units on Plan						180	
Major Core Units						58	
Major Support Units						85	
General Education Units						68	
Unrestricted Elective Units						9	

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.