

**Recommended Sequence of Chemistry, Math and Physics Courses for B.S. in Chemistry
students interested in Physical Chemistry or Analytical Chemistry**

courses for ACS certification are in bold

9/10/2008

please note: you have to fulfill core and elective requirements in addition to the
courses in Chemistry, Mathematics and Physics

	Fall			Spring		
	Number	Hr	Title	Number	Hr	Title
Freshman	Chem 1211K	4	Prin Chem I	Chem 1212K	4	Prin Chem II
	Math 1113	3	Precalculus	Math 2211	4	Calc I
Science hr total		7			8	
	Number	Hr	Title	Number	Hr	Title
Sophomore	Chem 2010	2	Quant Anal			
	Chem 2400	3	Org I	Chem 3410	4	Org II
	Chem 3100	2	Org I Lab	Chem 3110	2	Org II Lab
	Math 2212	3	Calc II			
	Phys 2211K	4	Phys I	Phys 2212K	4	Phys II
Science hr total		14			10	
	Number	Hr	Title	Number	Hr	Title
Junior	Chem 4110	3	PChem I	Chem 4120	3	PChem II
	Chem 4000	3	Analytical	Chem 4010	3	Chromatography
	Chem 4330	3	Adv Syn	Chem 4160	2	Research
Science hr total		6			8	
	Number	Hr	Title	Number	Hr	Title
Senior	Chem 4190	3	Spectroscopy	Chem 4210	3	Inorg Chem
	Chem 4170	4	Research			
	Chem 4600	5	Biochem			
				Graduate!!!		
Science hr total		12			3	

1. ACS requirements are in bold; if you do not want an ACS certified degree, you don't have to take 4210, 4330 and 4170.

You can also skip 4600 (Biochemistry) if you do not want ACS certification, but you have to take some combination of chemistry (or crosslisted biology) courses to equal 5 hours.

2. Note that a C- *does not count* towards your major and cannot be used as a prerequisite.

3. If you are doing research, you can replace 2010 with 2 hours of 4950.

You can also take 2010 in the summer.

4. If there is a discrepancy between this sheet and the University Catalog, the Catalog is correct.

5. If you plan to take the GRE Subject Chemistry Exam, move Chem 4210 to your junior year and discuss options with an advisor.

6. Register as early as possible because classes fill quickly!