**Options for the Chemistry Major - Revised 5/2008**

Though it is required only for the ACS Certified A.B. or the A.B. with honors, students pursuing other chemistry degrees are encouraged to enroll in 403 Supervised Research.

### ACS Certified Chemistry A.B. (Recommended for grad school)
- Chem. 103 GenChem w/lab
- Chem. 104 GenChem w/lab
- Chem. 211 OrgChem w/lab
- Chem. 212 OrgChem w/lab
- Chem. 221 PChemQuantum
- Chem. 222 PChemThermo
- Chem. 231 Inorganic
- Chem. 242 Biochem
- Chem. 251 Research Methodology I
- Chem. 252 Research Methodology II
- Chem 3xx Chem electives
- Chem 403 Supervised Research I
- Chem 403 Supervised Research II

### Chemistry Major A.B. only
- Chem. 103
- Chem. 104
- Chem. 211
- Chem. 212
- Chem. 221
- Chem. 222
- Chem. 231
- Chem. 242
- Chem. 251
- Chem. 252
- Chem 3xx
- Chem 345
- Physics 121,122 or 101/102

### Chemistry Minor
- Chem. 103
- Chem. 104
- Chem. 211
- Chem. 212
- Chem. 221
- Chem. 222
- Chem. 231
- Chem. 242
- Chem. 251
- Chem. 252
- Chem 3xx
- Geo 302 or 387

### Chemistry Major with biochem concentration
- Choose 1 of 2
- choose 3 of 4

### Chemistry Major with environ concentration
- Chem. 103
- Chem. 104
- Chem. 211
- Chem. 212
- Chem. 221
- Chem. 222
- Chem. 231
- Chem. 242
- Chem. 251
- Chem. 252
- Chem 3xx
- Geo 322 or 332

### Chemistry Major with geochem concentration
- Chem. 103
- Chem. 104
- Chem. 211
- Chem. 212
- Chem. 221
- Chem. 222
- Chem. 231
- Chem. 242
- Chem. 251
- Chem. 252
- Chem 3xx
- ChemCS 3x,g, Math. Modeling

### Chemistry Major with computational minor
- Chem. 103
- Chem. 104
- Chem. 211
- Chem. 212
- Chem. 221
- Chem. 222
- Chem. 231
- Chem. 242
- Chem. 251
- Chem. 252
- Chem 3xx
- MathCS 3xof Phys. Phenomena

**Chemistry 121,122** is recommended sequence. Physics 101,102 may be substituted but is not designed to meet the needs of physical scientists. Students who have completed 101,102 as well as any student planning graduate work in chemistry should consider taking Physics 201.

### Requirements for departmental honors:
- Complete one of the above major plans.
- Maintain a chemistry GPA of 3.7 or better. (Effective with the Class of 2010)
- Complete two semesters of 403 with a grade > 3.3 each semester.
- Participate in research oral/poster presentations.
- Write an acceptable thesis, and meet all department deadlines for submission of the thesis.
- Complete an additional unit of Chem 3xx (for a total of three 300-level chemistry units).

With department approval, one unit of 300-level work in certain fields may be substituted.