## Suggested Four-Year Sequence

### Freshman Year – Fall Semester
- CHEM 210, General Chemistry I 3
- CHEM 212, General Chem Lab I 1
- MATH 229, Calculus I 4
- Gen Ed. (ENGL 103, Rhet & Comp I) 3
- Gen Ed. (COMS 100, Oral Comm) 3

**Total Hours** 14

### Freshman Year – Spring Semester
- CHEM 211, General Chemistry II 3
- CHEM 213, General Chem Lab II 1
- MATH 230, Calculus II 4
- Gen Ed. (ENGL 203, Rhet & Comp II) 3

**Total Hours** 14

### Sophomore Year – Fall Semester
- CHEM 336, Organic Chemistry I 3
- CHEM 338, Organic Chem Lab I 1
- BIOS 208, Fundamentals of Biology I 3
- BIOS 210, Fundamentals of Bio Lab I 1
- PHYS 210, General Physics I 4
- Gen Ed. 3

**Total Hours** 15

### Sophomore Year – Spring Semester
- CHEM 337, Organic Chemistry II 3
- CHEM 339, Organic Chem Lab II 1
- BIOS 209, Fundamentals of Biology II 3
- BIOS 211, Fundamentals of Bio Lab II 1
- PHYS 211, General Physics II 4
- ENGL 350, Writing across the Curriculum 3

**Total Hours** 15

### Junior Year – Fall Semester
- CHEM 325, Analytical Chemistry I 3
- CHEM 472, Biological Chemistry I 3
- BIOS Elective(s) (300-400 level) 3-4
- Gen. Ed. 1

**Total Hours** 15-16

### Junior Year – Spring Semester
- CHEM 473, Biological Chemistry II 3
- BIOS 355, Human Physiology 4
- Gen. Ed. 1

**Total Hours** 15-16

### Senior Year – Fall Semester
- CHEM 440, Physical Chemistry I 3
- CHEM 442, Physical Chem Lab I 1
- CHEM Elective(s) (300-400 level) 3
- Research/Elective Hours 8

**Total Hours** 15

### Senior Year – Spring Semester
- BIOS Elective(s) (300-400 level) 3-4
- Research/Elective Hours 12

**Total Hours** 15-16

### Total Hours for Graduation – 70-71.
- Chemistry (required) 32-33
- Biological Sciences (required) 19
- Physics (required) 8
- Mathematics (required) 8
- ENGL 350 (required) 3
- Gen Ed. (ENGL/COMS) 9
- Gen Ed. 2
- Elective hours 20-21

### Notes
1. Successful completion of this course of study fulfills the requirements for a minor in biological sciences.
2. See the catalog for general education / knowledge domain requirements.
3. Students may either elect to take CHEM 336, 337, 338, and 339 (8) or CHEM 330, 331, 332, and 333 (8).
4. Students may elect to take PHYS 253 and 273 (8) in place of PHYS 210 and 211.
5. Students must take either CHEM 472/473 and one 400 level CHEM elective or CHEM 470 and two 400 level CHEM electives.
6. Students seeking admission to professional schools should consult their advisor as early as possible to make certain they meet entrance requirements for their chosen field.

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