### 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
- Gen Ed. 3
- **Total Hours** 14

#### Sophomore Year – Fall Semester
- CHEM 336, Organic Chemistry I 3
- CHEM 338, Organic Chem Lab I 1
- PHYS 253, Fundamentals of Physics I 4
- ENGL 350, Writing across the Curriculum 3
- Gen Ed. 3
- **Total Hours** 14

#### Sophomore Year – Spring Semester
- CHEM 337, Organic Chemistry II 3
- CHEM 339, Organic Chem Lab II 1
- PHYS 273, Fundamentals of Physics II 4
- MATH 232, Calculus III 4
- Gen Ed. 3
- **Total Hours** 18

#### Junior Year – Fall Semester
- CHEM 325, Analytical Chemistry 3
- CHEM 440, Physical Chemistry I 3
- CHEM 442, Physical Chem Lab I 1
- Gen Ed. 6
- Research/Elective 3
- **Total Hours** 16

#### Junior Year – Spring Semester
- CHEM 460, Inorganic of Trans Metals 3
- CHEM 461, Inorganic Chemistry Lab 1
- CHEM 441, Physical Chemistry II 3
- CHEM 443, Physical Chemistry Lab II 1
- Research/Electives 7
- **Total Hours** 15

#### Senior Year – Fall Semester
- CHEM 470, General Biological Chem 3
- CHEM 498/499, Research 2
- Research/Electives 10
- **Total Hours** 15

#### Senior Year – Spring Semester
- CHEM 425, Analytical Chemistry II 4
- CHEM Elective 3-4
- Research/Electives 8
- **Total Hours** 15-16

#### Total Hours for Graduation – 65-70.
- Chemistry (required) 43-44
- Mathematics (required) 11-12
- Physics (required) 8-11
- ENGL 350 (required) 3

**Minimum 120 hours required for graduation.**
- Gen Ed. (ENGL/COMS) 9
- Gen Ed. 18
- Elective hours 23-28

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1. See the catalog for general education / knowledge domain requirements.
2. Students may elect to take PHYS 210 (4), PHYS 211 (4), and PHYS 252 (3), rather than PHYS 253 and PHYS 273.
3. Students may elect to take MATH 336 (3) instead of MATH 232.
4. Students interested in forensic science are encouraged to take at least one of the following: BIOS 355 (4), BIOS 440 (3), BIOS 477 (3), CHEM 471 (3), STAT 301 (4) or STAT 350 (3).
5. Students should meet with a departmental adviser to determine the appropriate electives for their program of study.

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