

**First Year**

Odd Year Fall- 17 cr hrs

- CHEM 141: Principles of Chemistry I (4)
- ICONN 100: I-Connect (3)
- MATH 125: Algebra and Trigonometry (3)
- Suggested CHEM 131: Chemical Calculations I (1)
- CHEM 480: Chemistry Seminar (0)
- COMM 121: Fundamentals of Public Communication (3)
- ENGL 101: Rhetoric & Composition (3)

Even Year Spring- 17 cr hrs

- CHEM 142: Principles of Chemistry II (4)
- Suggested CHEM 132: Chemical Calculations II (1)
- GE: Franciscan Tradition(3)
- GE: Behavioral and Social Sciences (3)
- GE: History (3)
- CHEM 480: Chemistry Seminar (0)
- Elective Course (3)

**Third Year**

Odd Year Fall- 17 cr hrs

- CHEM 345: Analytical Chemistry (4)
- CHEM 447: Physical Chemistry I (4)
- GE: Philosophy (3)
- Elective Course (3)
- CHEM 480: Chemistry Seminar (0)
- Ge: Theology (3)

Even Year Spring- 15 to 16 cr hrs

- 2 Elective Courses (6)
- CHEM 449: Instrumental Analysis (3)\*
- GE: Social Justice (3)
- CHEM 480: Chemistry Seminar (0)
- CHEM 348: Advanced Organic Chemistry (3)\*
- Or CHEM 447: Physical Chemistry II (4)\*

\*Need 11 cr hrs of directed electives

Course must be completed by indicated term to progress in major

**Second Year**

Even Year Fall- 17 cr hrs

- CHEM 241: Organic Chemistry I (4)
- MATH 223: Calculus I (3)
- SCIE 257: Physics I (4)
- CHEM 480: Chemistry Seminar (0)
- GE: Creative Arts (3)
- Elective Course (3)

Odd Year Spring- 17 cr hrs

- CHEM 242: Organic Chemistry II (4)
- MATH 224: Calculus II (3)
- SCIE 258: Physics II (4)
- CHEM 480: Chemistry Seminar (0)
- GE: Literature (3)
- GE: Research & Rhetoric

**Fourth Year**

Even Year Fall- 14 to 15 cr hrs

- CHEM 343: Environmental Chemistry (3)\*
- BIOL 401: Senior Capstone in Biology (3)
- GE: Health and Wellness (2)
- CHEM 496: Chemical Research (2-3)
- 1 Elective Course (3)
- CHEM 481: Chemistry Seminar (1)

Odd Year Spring- 16 cr hrs

- GE: Care for Creation (3)
- 2 Elective Courses (6)
- CHEM 480: Chemistry Seminar (0)
- CHEM 344: Inorganic Chemistry (3)
- CHEM 333: Biochemistry (3)\*
- CHEM 367: Biotechnology Lab (1)\*

**Degree Total: 128 cr hrs**