**Chemistry**

**Sample Schedule**

**Requirements for the Major**

20 courses, distributed as follows:

- 6 Foundations of Science 1-6
- 10 Required Courses: Calculus with Applications or Calculus; Multivariable Calculus; Organic Chemistry 1 and 2; Inorganic Chemistry; Analytical Chemistry; Physical Chemistry: Thermodynamics and Kinetics & Lab; Physical Chemistry: Quantum Mechanics and Spectroscopy & Lab; Biochemistry: Molecular Structure & Function
- 2 Elective
- 2 Capstones: Project and Seminar

**Year 1**

**Fall Semester**
- Core
- Foundations of Science 1
- Foundations of Science 2
- Calculus with Applications or Calculus

**Spring Semester**
- Core
- Foundations of Science 3
- Foundations of Science 4
- Multivariable Calculus

**Year 2**

**Fall Semester**
- Core
- Foundations of Science 5
- Foundations of Science 6
- Organic Chemistry 1

**Spring Semester**
- Core
- General Elective
- Organic Chemistry 2

**Year 3**

**Fall Semester**
- Core
- Analytical Chemistry
- Physical Chemistry: Thermodynamics and Kinetics
- Capstone Seminar

**Spring Semester**
- General Elective
- Chemistry Elective
- Inorganic Chemistry
- Physical Chemistry: Quantum Mechanics & Spectroscopy
- Mech. & Spec. Lab

**Year 4**

**Fall Semester**
- Core
- General Elective
- Biochemistry: Molecular Structure & Function
- Capstone Project

**Spring Semester**
- General Elective
- General Elective
- General Elective
- Chemistry Elective