### Chemistry 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

### Sample Schedule

**Year 1**

**Fall Semester**
- Core
- Core
- General Elective
- General Elective

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

**Year 2**

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

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

**Year 3**

**Fall Semester**
- Core
- Physical Chemistry: Thermodynamics and Kinetics
- Organic Chemistry 2
- Capstone Seminar

**Spring Semester**
- General Elective
- Biochemistry: Metabolism
- Inorganic Chemistry
- Physical Chemistry: Quantum Mechanics & Spectroscopy

**Year 4**

**Fall Semester**
- General Elective
- Analytical Chemistry
- Chemistry Elective
- Capstone Research

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