

Core Curriculum (7 courses)

Chemistry Courses

- Introductory or General Chemistry (Chem 1092 or Chem 1102 or Chem 1109 or AP/IB Credit or Placement)
- Chemical Analysis (Chem 2100)
- Organic Chemistry I (Chem 2250)
- Inorganic Chemistry (Chem 2400)

Mathematics Courses

- Integral Calculus (Math 1700 or 1750 or placement higher than Math 1750)

Physics Courses

- Introductory Physics I (Physics 1130)
- Introductory Physics II (Physics 1140)

Areas of Concentration (5-7 courses)

Chemical (5 courses)

- Organic Chemistry II
- Chemical Thermodynamics and Kinetics
- Quantum Chemistry and Spectroscopy
- Chem. Elective #1*
- Chem. Elective #2*

Educational (7 courses)

- Chemical Thermodynamics and Kinetics OR Quantum Chemistry and Spectroscopy
- Contemporary American Education
- Educating all Students
- Teaching and Learning
- Curriculum Development
- Chem. Elective #1*
- Chem. Elective #2*

Environmental (5 courses)

- Chemical Thermodynamics and Kinetics
- FOUR electives
- At least TWO molecular perspective courses in Chemistry*
- At least ONE environmental perspectives course offered by Biology, EOS, or Physics*

Geochemical (5 courses)

- Chemical Thermodynamics and Kinetics
- Environmental Chemistry
- Instrumental Analysis
- TWO elective geochemical courses offered by EOS*

Neurochemical (7 courses)

- Biological Principles II or Scientific Reasoning in Biology
- Organic Chemistry II
- Biochemistry
- Chemical Thermodynamics and Kinetics or Quantum Chemistry and Spectroscopy
- TWO neurochemical electives*
- ONE 3000-level neuroscience course*

* Lists of electives relevant to each concentration are found in the Academic Catalog or Navigating the Chemistry Major form