**CHEMISTRY**
- Chem 1021 (4) Chem Prin. I
- Chem 1022 (4) Chem Prin. II
- Chem 2301 (3) Organic Lect I
- Chem 2302 (3) Organic Lect II
- Chem 2311 (4) Organic Lab
- Chem 4701 (3) Intro. Inorganic Chem
- Chem 2101 (3) Intro Analytical Chem Lect
- Chem 2111 (2) Intro Analytical Chem Lab
- Chem 3501 (3) Physical Chem I
- Chem 3502 (3) Physical Chem II

**MATH**
- Math 1271 (4) Calculus I
- Math 1272 (4) Calculus II
- Math 2263 (4) Multivariable Calculus
- Math/Phys elective (4) IT Only
  (Math 2243 or Phys 2303 or 2503 or Stat 3021)

**PHYSICS**
- Phys 1301 (4) Intro Physics I
- Phys 1302 (4) Intro Physics II

**WRITING PRACTICE**
- Comp 1011 (4) Univ Writing & Critical Reading
- 4 Writing Intensive Requirements

**ADVANCED TECHNICAL ELECTIVES**
IT 6 cr., CLA 3 cr. - upper level technical courses (≥ 3 cr)

**DIRECTED STUDIES FOR CLA STUDENTS**
- (2 cr)

**LIBERAL EDUCATION REQUIREMENTS**

**Designated Themes**
- I course (≥ 3) in each of the sub-groups
- check guidelines for multiple requirements
- Citizens & Public Ethics
- Cultural Diversity
- Environment (Uof MN Gen Chem satisfies)
- International Perspectives

**Diversified Core**
- Physical & Biological Science (8 cr - 2 courses)
  - Gen Chem satisfies 1 of 2 courses needed.
- Need one Biological Science course.
- Social Science & Humanities (15 cr)
  - Social Science (6 cr)
  - Humanities (6 cr)
  - Historical Perspective (3 cr)

**Mathematical Thinking (2 cr - 1 course)**
- Satisfied by departmental requirements.