Chemistry Major (2013-2014)

Major Requirements
Math 1271 & 1272 – Calculus 1 & 2
Math 2263 – Multivariable Calculus

Phys 1301W & 1302W – Introductory Physics for Science & Engineering 1 & 2
  **Note: 1201W & 1202W are also acceptable

Chem 1061 & 1062 – Chemical Principles 1 & 2
Chem 1065 & 1066 – Chemical Principles Lab 1 & 2
Chem 2301, 2302, & 2311 – Organic Chemistry 1, 2, & Lab
Chem 2101 & 2111 – Introductory Analytical Chemistry & Lab
Chem 4501 & 4502 – Physical Chemistry 1 & 2
Chem 4701 – Inorganic Chemistry

Advanced Lab Electives – Choose 2 courses from:
  - Chem 4111w – Modern Instrumental Methods of Chemical Analysis Lab
  - Chem 4311w – Advanced Organic Lab
  - Chem 4511w – Advanced Physical Chemistry Lab
  - Chem 4711w – Advanced Inorganic Lab
  - Chem 4223w – Polymer Lab
  - Chem 2094 or 4094W – Directed Studies (minimum 2 credits)
    **Note: Only one course of directed studies is allowed.

Advanced Technical Elective – Minimum 3 credits from selected 3-5xxx level courses
that are approved by the major adviser

Declaring the Chemistry Major

**Step 1: Prerequisites to Declare**
*Students must have all of the following courses completed with a grade of C- or better before they will be allowed to declare the Chemistry major.*
  - Chem 1061, 1062, 1065, & 1066
  - Chem 2301
  - Math 1271 & 1272
  - Phys 1301W (or 1201W)

**Step 2: Schedule an Appointment with the Chemistry Department Adviser**
  - 135 Smith Hall
  - 612-624-8008

**Step 3: Bring a copy of your Major Program Form to your CLA Advising Office**
Web Sites of Interest
Chemistry Department www.chem.umn.edu
American Association for the Advancement of Science www.aaas.org
American Chemical Society www.acs.org
American Institute of Chemists www.theaic.org
Chemical Week Magazine www.chemweek.com
Journal of Chemical Education jchemed.chem.wisc.edu
Science Careers recruit.scientificmag.org

Possible Areas of Employment
Science Research, Environmental Analysis, Quality Control, Product Development
Health Care Medicine, Pharmacy, Health Technician, Nursing, Toxicology, Dentistry, Veterinary Medicine
Communication Technical Writer
Government Public Information, Campaigns, Research, Public Office, Federal Programs
Business Marketing, Human Resources, Sales, Consulting, Recruiting
Education Teaching, Research, Student Affairs
Law Patent Law, Regulatory Affairs

CLA’s Career Services Office
The Career Services Office, located in the Science Teaching and Student Services Building, supports CLA students making career decisions.

Contact Information
411 STSS Building
612-624-7577
www.clacareer.umn.edu