

What Can I Do With a Major in **CHEMISTRY**?

Chemistry is the scientific study of matter, its properties, and interactions with other matter and with energy. Science that deals with the properties, composition, and structure of substances (elements and compounds), the reactions and transformations they undergo, and the energy released or absorbed during those processes. Often called the "central science," chemistry is concerned with atoms as building blocks (rather than with the subatomic domain; <http://www.britannica.com/eb/article-9108655/chemistry>)

Typical Coursework

Analytical Chemistry
Biochemistry
Calculus
Differential Equations
Electricity and Magnetism
General Chemistry
Inorganic Chemistry

Instrumental Methods
Organic Chemistry
Physical Chemistry
Physics
Quantitative Analysis
Scientific Computer Programming
Technical Writing

Related Major Skills

Develop theories
Conduct research
Data Analysis
Curiosity
Utilize formulas
Process data
Work independently and in groups
Oral and written communication

Science and math ability
Perseverance
Analytical skills
Ability to follow through
Experimentation
Observation and decision making
Technological skills
Ability to remain objective

Chemistry education majors should also develop skills involving planning and the ability to adapt teaching methods and modalities to the various learning styles of students

Directly Related Occupations

Agricultural Scientist
Analytical Chemist
Biochemist
Biotechnology Researcher
Chemical Engineer
Consumer Product Chemist
Detectives and Investigator
Environmental Scientist
Food and Flavor Chemist

Forensic Chemist
Forensic Science Technician
High School Teacher
Materials Scientist
Natural Sciences Manager
Organic Chemist
Science Technician
University and College Teacher

Who Hires for this Occupation?

Federal & state government agencies, research & development firms, manufacturing companies, scientific consulting firms, and colleges & universities.

Minnesota Colleges & Universities with a major in CHEMISTRY

Augsburg College	Gustavus Adolphus College	St. Catherine University
Bemidji State University	Hamline University	St. Cloud State University
Bethany Lutheran College	Macalester College	St. Olaf College
Bethel University	Metropolitan State University	Univ. of MN, Duluth
Carleton College	Minnesota State Univ., Mankato	Univ. of MN, Morris
College of Saint Benedict	Minnesota State Univ., Moorhead	Univ. of MN, Twin Cities
College of St. Scholastica	Saint John's University	Univ. of St. Thomas
Concordia College	Saint Mary's Univ. of MN, Winona	Winona State University
Concordia University	Southwest Minnesota State Univ.	

Professional Association Links

American Chemical Society, <http://www.acs.org/content/acs/en.html>
RSC's Chemical Science Network, <http://www.rsc.org/>
American Academy of Forensic Sciences, <http://www.aafs.org/>
American Institute of Chemical Engineers, <http://www.aiche.org/>
American Society of Crime Laboratory Directors, <http://www.asclcd.org/>
American Association for Clinical Chemistry, <http://www.aacc.org>

For More Information

Contact ARCC Career Counseling: (763) 433-1240 (CR campus), (763) 433-1840 (Cambridge campus)
or stop by the campus Information Desk

Information adapted from: Minnesota Career Information System <https://mncis.intocareers.org>, and the Career Center at the University of North Carolina, Wilmington <http://uncw.edu/career/WhatCanIDoWithaMajorIn.html>