

## What can I do with a major in *Chemistry*?

### Overview

- **Chemistry is fundamental. To understand why leaves change color in the fall, why a diamond is hard or why soap cleans requires an understanding of chemistry. Knowledge of chemistry prepares us for the real world. A college graduate with a chemistry degree is in a good position to choose a useful and interesting career. If your goal is to become a research scientist, teacher or surgeon, you should examine chemistry as a major. Students who choose chemistry usually find it as interesting as it is challenging.**

### Career Titles

▪ Agricultural Chemist	▪ Cytotechnologist	▪ Odontologist
▪ Agricultural Scientist	▪ Dairy Technologist	▪ Oil and Petroleum Chemist
▪ Agriculture Inspector	▪ Dental Lab Technician	▪ Optometrist
▪ Agronomist	▪ Dentist	▪ Organic Chemist
▪ Air Analyst	▪ Dialysis Technician	▪ Osteopathic Physician
▪ Analytical Chemist	▪ Dietician	▪ Paint Chemist
▪ Anatomist	▪ Drug Analyst	▪ Patent Examiner
▪ Anesthesiologist	▪ Ecologist	▪ Pathologist
▪ Animal Nutritionist	▪ Entomologist	▪ Perfumer
▪ Animal Scientist	▪ Environmental Analyst	▪ Pest Control Analyst
▪ Application Chemist	▪ Environmental Chemist	▪ Petroleum Inspector
▪ Art Conservator	▪ Environmental Health Specialist	▪ Pharmaceutical Chemist
▪ Assayer	▪ Enzymologist	▪ Pharmaceutical Sales Representative
▪ Astronaut	▪ EPA Inspector	▪ Pharmacist
▪ Astrophysicist	▪ Food and Drug Inspector	▪ Pharmacologist
▪ Attorney	▪ Food Chemist	▪ Physical Chemist
▪ Ballistics Explosives Expert	▪ Forensic Chemist	▪ Physician
▪ Biochemical Toxicologist	▪ Forensic Toxicologist	▪ Physician's Assistant
▪ Biochemist	▪ Genetic Counselor	▪ Physicist
▪ Biomedical Engineer	▪ Geneticist	▪ Plastics Engineer
▪ Biotechnologist	▪ Geochemist	▪ Pollution Control Chemist
▪ Biotechnologist	▪ Geologist	▪ Polymer Chemist
▪ Brain Metabolism Researcher	▪ Hazardous Waste Management Specialist	▪ Product Safety Engineer
▪ Brewer Lab Assistant	▪ Hematology Technologist	▪ Product Tester
▪ Business Executive	▪ Histopathologist	▪ Proteins Chemist
▪ Buyer	▪ Horticulturalist	▪ Psychiatrist
▪ Cardiologist	▪ Hospital Administrator	▪ Quality Assurance Manager
▪ Catalyst Sales Coordinator	▪ Hydrologist	▪ Quality Control Manager
▪ Catalytic Chemist	▪ Industrial Hygienist	▪ Radiologist
▪ Cephalometric Analyst	▪ Inorganic Chemist	▪ Sanitarian
▪ Ceramic Chemist	▪ Insecticides Tester	▪ Scientific Equipment Sales Representative
▪ Chemical Analyst	▪ Journalist	▪ Scientific Photographer
▪ Chemical Engineer	▪ Lab Technician	▪ Scientific Writer
▪ Chemical Information Specialist	▪ Land Reclamation Chemist	▪ Scientist
▪ Chemical Laboratory Technician	▪ Lawyer	▪ Serologist
▪ Chemical Mixer	▪ Lobbyist	▪ Soil Conservationist
▪ Chemical Oceanographer	▪ Materials Scientist	▪ Soil Scientist
▪ Chemical Plant Operator	▪ Medical Illustrator	▪ Spectroscopist
▪ Chemical Sales Manager	▪ Medical Technologist	▪ Steroids Chemist



OFFICE OF  
**CAREER & PROFESSIONAL**  
 DEVELOPMENT

▪ Chemical Technician	▪ Medicinal Chemist	▪ Systems Analyst
▪ Chemist	▪ Metallurgist	▪ Teacher
▪ Chemistry Technologist	▪ Mineralogist	▪ Technical Writer
▪ Clarifying Plant Operator	▪ Molecular Biologist	▪ Textile Chemist
▪ Clinical Chemist	▪ Museum Curator	▪ Tissue Technologist
▪ Clinical Toxicologist	▪ Mycologist	▪ Toxicologist
▪ Colloid and Surface Chemist	▪ Nanotechnologist	▪ Translator, Scientific Documents
▪ Color Development Chemist	▪ Narcotics Investigator	▪ Underwater Technician
▪ Combustion Engineer	▪ Neurochemist	▪ Vector Control Assistant
▪ Conservationist	▪ Nuclear Scientist	▪ Veterinarian
▪ Cosmetic Analyst	▪ Nurse	▪ Wastewater Treatment Chemist
▪ Crime Lab Analyst	▪ Nutritionist	▪ Water Purification Chemist
▪ Criminologist	▪ Occupational Safety Specialist	▪ Wood Technologist
▪ Crystallographer	▪ Oceanographer	▪ Yeast Culture Developer

### Employers

▪ Aerospace and Components Firms	▪ Forestry Centers	▪ Professional and Technical Journals
▪ Agricultural Companies	▪ Fuels and Fuel Dealerships	▪ Publishing Companies
▪ Airlines	▪ Furniture Companies	▪ Research & Consulting Organizations
▪ Atomic Energy Firms	▪ Glass Production Companies	▪ Sanitary Services
▪ Beverage Processing Companies	▪ Hospitals	▪ Shipping, Water, and Transportation Companies
▪ Biotechnology Firms	▪ Insurance Companies	▪ Textile Manufacturers
▪ Centers for Disease Control	▪ Laboratories	▪ Tire and Rubber Companies
▪ Chemical Companies	▪ Manufacturing & Processing Companies	▪ Tobacco Companies
▪ College & Universities	▪ Medical Laboratories	▪ U.S. Department of Agriculture
▪ Commercial Testing Laboratories	▪ Medical Research Firms	▪ U.S. Department of Commerce
▪ Cosmetic Companies	▪ Medical/Technical Libraries	▪ U.S. Department of Defense
▪ Drug Companies	▪ Metal and Mineral Products Companies	▪ U.S. Department of Energy
▪ Electric Light & Power Services	▪ Mining Companies	▪ U.S. Department of Health and Human Services
▪ Engineering Firms	▪ Newspapers and Magazines	▪ U.S. Department of Interior
▪ Environmental Protection Agency	▪ Paper Companies	▪ U.S. Department of Labor
▪ Food and Drug Administration	▪ Petroleum Refineries	▪ Utilities Companies
▪ Food Processing Companies	▪ Pharmaceutical Companies	

### Skills

▪ Ability to derive information from computers	▪ Capability to improve industrial processes with the purpose of creating more efficient and effective methods for creating and studying of chemicals.	▪ Perception
▪ Ability to make critical observations/decisions	▪ Capacity to understand and express complex scientific and technical information.	▪ Perform experiments
▪ Ability to organize and interpret data	▪ Careful record keeping skills.	▪ Perseverance

▪ Ability to think creatively and logically.	▪ Conduct research	▪ Pleasure in learning new skills
▪ Ability to use scientific equipment and measuring instruments.	▪ Curiosity	▪ Possess good vision and manual dexterity.
▪ Acute observational skills	▪ Designing an experiment, plan or model that systematically defines a problem	▪ Potential to predict outcomes of mixing substances.
▪ Advanced critical thinking, problem solving, and research skills.	▪ Develop theories	▪ Precision/accuracy
▪ Analytical skills	▪ Evaluating information against appropriate standards	▪ Present/summarize research findings
▪ Applying appropriate methods to test the validity of data	▪ Expert analysis of biological and chemical substances.	▪ Process data
▪ Applying concepts	▪ Generate research projects and ideas	▪ Remain objective
▪ Applying information creatively to solve specific problems	▪ Good manual dexterity and analytical reasoning.	▪ Review large amounts of material and extracting essence
▪ Aptitude for accurate details	▪ Innovation	▪ Solve quantitative problems
▪ Attending to data	▪ Manipulate information using expertise in mathematics	▪ Technical report preparation
▪ Attention to detail	▪ Observation and decision making	▪ Technological skills
▪ Breaking down principles into parts	▪ Oral and written communication	▪ Test an idea/hypothesis
▪ Calculating skills	▪ Organize/report data	▪ Utilize formulas
▪ Capability of conducting research and statistically analyzing the data	▪ Perceive and define cause and effect relationships	▪ Work independently and in groups

### Salary Information

NACE (National Association of Colleges and Employers) Summer 2012 Salary Survey Average Offers:

- **Chemistry Bachelor's Degree: \$42,600**

**The job titles and employers listed below are a sample of the results from the annual St. Norbert College Career Services graduate follow-up survey for the Classes of 2003-2010.**

### Graduate Information: Job Titles

- Lab Assistant
- Management
- Scientist

### Graduate Information: Employers

- Badger Labs
- Nature Pest Control
- Kimberly-Clark