

# WHAT CAN I DO WITH A BACHELOR'S DEGREE IN CHEMISTRY ??

## *Facts about a chemistry degree:*

- Chemistry is divided into five main areas of study:
  - 1) analytical chemistry
  - 2) biochemistry
  - 3) inorganic chemistry
  - 4) organic chemistry
  - 5) physical chemistry
- There are no limits to where careers in chemistry can lead. There are many doors open to chemistry majors
- Chemistry majors are prepared for careers in such diverse settings as research, education, government, and industry and work at various levels of responsibility
- Obtaining practical experience using various laboratory equipment and high – tech scientific equipment and data is very beneficial when combined with the bachelor's degree

## SKILLS POSSESSED BY CHEMISTRY GRADUATES:

Many employers are interested in the skills which chemistry majors tend to possess. These include:

- ability to make critical observations and appropriate decisions
- ability to operate scientific equipment
- ability to organize and maintain accurate records
- ability to conduct and clearly explain scientific research
- proficiency in reading, writing, speaking, and memorization
- sensitivity to the health and safety of others

*From: The Metropolitan State College of Denver's Career Opportunities with a Major in Chemistry Homepage*

## SAMPLE JOB TITLES FOR CHEMISTRY GRADUATES:

*(some may require additional education and/or training beyond the bachelor's degree)*

Chemist	Occupational health and safety officer
Quality control chemist	Medical laboratory technician
Laboratory technician	Analytic chemist
Technical sales representative	Associate chemist
Chemical and drug sales representative	Research assistant
Consumer protection specialist	Chemical safety officer
Water quality analyst/technician	Clinical technician
Technical writer	Food and drug analyst
Aerosol development manager	Pollution controller
Quality assurance chemist	Information analyst
Methods development chemist	Soil tester
Process development chemist	Laboratory analyst
Organic mass spectrometrists	Chemical technologist
Forensic lab analyst	Assayer
Pulp and paper chemist	Product tester
Paint formulation chemist	Production chemist
Paper product developer	
Chemical information specialist	

## AREAS OF EMPLOYMENT: (this list is not exhaustive)

quality control laboratories  
pharmaceutical / biotechnology industries  
mineral and metal industries  
hospital research laboratories  
industrial laboratories  
food and beverage companies  
health protection branches  
waterworks departments  
hazardous waste management corporations  
chemical testing / analysis companies  
research centres / institutes  
cosmetic companies  
utility companies  
chemical distributors  
newspapers / magazines  
oil companies

consulting firms  
environmental consulting firms  
pulp and paper industries  
chemical laboratories  
agricultural companies  
professional chemical societies  
textile manufacturers  
police laboratories  
chemical manufacturing plants  
petroleum refineries  
government  
aerospace companies  
technical libraries  
science museums  
distilleries and breweries

### Want More Information? Check these websites!

[www.umanitoba.ca/student/careerservices](http://www.umanitoba.ca/student/careerservices) - Click on "Job Postings and Volunteer Opportunities" and register as a **Student** to view current job postings

#### National Occupational Classification

[www23.hrdc-drhc.gc.ca](http://www23.hrdc-drhc.gc.ca)

#### University of Manitoba—Faculty of Science—Department of Chemistry

[www.umanitoba.ca/science/chemistry/index.shtml](http://www.umanitoba.ca/science/chemistry/index.shtml)

#### University of Delaware Career Services Centre

[www.udel.edu/CSC/chem.html](http://www.udel.edu/CSC/chem.html)

#### Career Venues for Chemists (BSc, MSc, PhD)

[www.rose-hulman.edu/chemistry/career\\_venues\\_for\\_chemists.htm](http://www.rose-hulman.edu/chemistry/career_venues_for_chemists.htm)

#### Chemical Institute of Canada - Manitoba & Northwest Ontario Chapter

[www.chimiste.ca/sections/manitoba/](http://www.chimiste.ca/sections/manitoba/)

*For more information on occupational, educational and employment options, please drop by Career Services, 474 University Centre, 474-9456.*