What to do with a degree in

CHEMISTRY

Chemistry plays a role in almost everything we do. As a central science, it is closely connected with biology, math and physics.

Key Skills & Knowledge

Interpersonal - Collaborate and work in a team environment; Sensitivity to the health and safety of others and understanding of safe scientific and lab procedures

Organizational skills - Compile, organize and maintain accurate records; Resource and time management; Work independently and meet deadlines

Analytical skills - Independent and creative thinking; Analyze and interpret data; Synthesize information; Logical reasoning; Critical thinking

Research skills - Hypothesize, design and administer experiments; Conduct research; Understand scientific journals; Clearly explain and interpret research data

Written and oral communication skills - Prepare and present reports from research ideas and information using current technology

Scientific method - Operate laboratory equipment and instruments; Employ appropriate scientific lab techniques; Proficiency in mathematics, taking established knowledge, making connections and projecting it forward

Creative and innovate – Look for different solutions, for improvement of or development of existing material (e.g. Drug development)

Sample Job Titles

Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: alis.alberta.ca/occinfo

Analytic Chemist
Atmospheric Scientist
Biochemist
Biomedical Researcher
Brewmaster
Cancer Researcher
Chemical Safety Officer
Chemical Technology Assessor
Chemist
Chemist Sales Representative
Clinical Technician
Consumer Protection Specialist
Development Chemist
Environmental Consultant
Food and Drug Analyst
Food Scientist
Forensic Technician
Laboratory Analyst
Laboratory Manager
Materials Chemist
Medical Laboratory Technician
Nanotechnologist
Nuclear Chemist
Occupational Health and Safety Officer
Organic Chemist
Paint Formulation Chemist
Patent Examiner
Pharmaceutical Sales
Pollution Control
Polymer Chemist
Process Development Chemist
Production Chemist
Pulp and Paper Chemist
Quality Assurance Chemist
Research Chemist
Soil Chemist
Spectrometrist
Teacher/Professor
Technical Writer
Textile Chemist
Toxicologist
Waste water Chemist

Need help deciding what to do?

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. Request an assessment via CareerLink
**Potential Industries**

- Administration
- Agricultural
- Biotechnology
- Conservation
- Drug Development
- Education
- Environment
- Food & Beverage
- Manufacturers
- Food & Drug Consulting Firms
- Government
- Healthcare
- Hospitals/Clinics
- Law/Drug Enforcement
- Museums
- Pharmaceuticals
- Post-Secondary Institutions
- Research Institutions
- Science Journals
- Technical Writing
- Testing Laboratories

**Associations & Professional Development**

Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- American Chemical Society: [www.acs.org](http://www.acs.org)
- Biotechnology Human Resource Council: [www.biotalent.ca](http://www.biotalent.ca)
- Canadian Industry Association of Canada: [www.canadianchemistry.ca](http://www.canadianchemistry.ca)
- Canadian Society for Medical Laboratory Science: [www.csmls.org](http://www.csmls.org)
- Chemical Institute of Canada: [www.cheminst.ca/](http://www.cheminst.ca/)
- Royal Society of Chemistry: [www.rsc.org/](http://www.rsc.org/)
- Society of Chemical Industry: [www.soci.org/](http://www.soci.org/)
- The Association of the Chemical Profession of Alberta: [www.pchem.ca](http://www.pchem.ca/)

**Career Services**

**YOUR FUTURE STARTS HERE**

- Career Planning
- Job Search Support
- Resume Reviews
- Career Workshops
- Online Job Postings
- Career Fairs
- Networking Events
- Information Sessions & much more!

**Connect with us:**

MacEwan Student Centre, Room 188  
T: 403.220.8020  
E: csstdnt@ucalgary.ca  
CareerLink: [ucalgary.ca/careers](http://ucalgary.ca/careers)

Facebook: ucalgarycareers  
Twitter: @HireUCalgary

**Job Boards**

- Indeed: [https://ca.indeed.com/](https://ca.indeed.com/)
- Science Jobs: [https://www.sciencejobs.org/](https://www.sciencejobs.org/)
- Science Mag: [http://www.sciencemag.org/careers](http://www.sciencemag.org/careers)
- LinkedIn: [www.linkedin.com](http://www.linkedin.com)
- CareerLink: [careerlink.ucalgary.ca](http://careerlink.ucalgary.ca)

**Additional Resources**

- Careers for Scientific Types & Other Inquiring Minds by Jan Goldberg
- Great Jobs for Chemistry Majors by Mark Rowh
- Non-traditional Careers for Chemists: New Formulas in Chemistry by Balbes, Lisa M.
- Opportunities in Chemistry Careers by John H. Woodburn

**Faculty Contact**

Science A 229  
T: 403.220.5341  
E: chem.info@ucalgary.ca  
W: ucalgary.ca/chem

**Student Clubs**

Biology Student Association  
[bio.ucalgary.ca/undergraduate/student_life](http://bio.ucalgary.ca/undergraduate/student_life)

**Aligned Majors:**

- Biochemistry, Biology, Natural Sciences