

What Can I Do with a Major in...

Chemistry and Biochemistry

Possible Career Options

(some career areas require advanced education)

Agricultural Scientist
Anesthesiologist
Biochemist/Molecular Biologist
Chemical Engineer
Chemist
Clinical Specialist
Color Development Chemist
Crime Lab Analyst
Dentist
Entomologist
Environmental Engineer
EPA Inspector
Fire Protection Engineer
Food Scientist/Technologist
Forensic Chemist
General Surgery Resident
Geochemist
Geologist
Hydro Geologist
Hydrologist
Industrial Hygienist
Metallurgical Engineer
Microbiologist
Oceanographer
Optometrist
Patent Agent
Pharmaceutical Sales Representative
Pharmacy Technician
Physician
Product Development Manager
Psychiatrist
Radiologist
Research Analytical Chemist
Research Associate
Science Laboratory Technician
Senior Compounder
Senior Lab Technician
Senior Product Chemist
Soil Scientist, Agriculture
Toxicologist
Veterinarian
Water Purification Chemist
Water/Wastewater Plant Operator

Leadership/Management

- Identifying the critical issues and making decisions quickly and accurately
- Ability to do self-directed work
- Managing time, energy and resources effectively
- Organizing, analyzing, conceptualizing
- Possesses strong mathematical background

Communication/Writing Skills

- Comprehending written material
- Writing factual material clearly and concisely
- Describing objects or events with a minimum of factual errors
- Demonstrating premises and reasoning to their conclusion
- Summarizing

Research/Analytical Skills

- Sorting data and objects
- Applying information creatively to solve specific problems
- Understanding and using organizing principles
- Manipulate information using expertise in mathematics
- Perceiving and defining cause and effect relationships
- Designing an experiment, plan or model that systematically defines a problem

Artistic/Creative Skills

- Illustrating, displaying, creating two or three dimensional images
- Visualizing spatial relationships

Other Skills

- The use of conceptual models

Print and Web Resources

OCS Books

Alternative Careers in Science

Careers in Science

Great Jobs for Chemistry Majors

Guide to Non-traditional Careers in Science

Opportunities in Chemistry Careers

Opportunities in Clinical Laboratory Science Careers

Put Your Science to Work: The Take-Charge Career Guide for Scientists

Online Career Resources

Career Information

www.careercornerstone.org/chemistry/chemistry.htm

Occupational Outlook Handbook

www.bls.gov/oco/ocos049.htm (Chemist)

www.bls.gov/oco/ocos027.htm (Engineer)

www.bls.gov/oco/ocos047.htm (Biological Scientist)

Internship Electronic Resources

After College

www.aftercollege.com

Idealist and Action Without Borders

www.idealists.org

Local Internships

www.hope.edu/knowhope/internships/index.cgi

Employment Opportunity Electronic Resources

Chemistry Jobs

www.chemistryjobs.com

Science Careers

www.sciencecareers.org

Science Jobs

www.sciencejobs.com

More resource links are available at the Office of Career Services website:

www.hope.edu/student/career

Professional Associations

American Chemistry Council

www.americanchemistry.com

American Chemical Society

www.acs.org

American Institute of Chemists

www.theaic.org

American Nuclear Society

www.ans.org

American Society for the Advancement of Science

www.aaas.org

American Society of Biochemist and Molecular Biology

www.asbmb.org

Association of Analytical Chemistry

www.aoac.org

National Institute of Health

www.nih.gov

National Science Foundation

www.nsf.gov

Hope Graduates in the Chemistry World

Administrative Director.....	All Children’s Hospital
Analytical Chemist.....	Eli Lilly and Company
Associate Chemist	GlaxoSmithKline
Biochemist.....	Agilent Technologies
Chairman/CEO.....	IdeaSphere, Inc.
Chemical Engineer	NASA
Chemist	General Motors
Chemistry Group Leader—Neuroscience	Abbott Laboratories
Director of Regulatory Affairs.....	GlaxoSmithKline
Doctor of Internal Medicine.....	Mayo Clinic
Epidemiologist & Data Manager.....	Michigan Department of Community Health
Forensic Scientist.....	Michigan State Police
Health Care Administration.....	New York State
Industrial Hygienist	Pfizer
Laboratory Manager.....	Oakland University
Medical Representative—Pharmaceutical Sales	Merck
Medicinal Chemist.....	Wyeth
Oceanographer.....	AUTECH
Optometrist.....	Veld Vision Center
Organic Chemist.....	EDI Engineering & Science
Orthopedic Surgeon.....	University of Virginia
Patent Agent.....	Dow Chemical
Pharmaceutical Sourcing Manager.....	Perrigo Company
Pharmacist	Rite Aid
Physician Assistant	Duke University Medical Center
President & CEO	Blue Cross/Blue Shield of Massachusetts
Production Chemist	Lumigen, Inc.
Production Supervisor	Stryker Instruments
Research Associate (Cancer Biology)	Amgen Inc.
Research Chemist	Dow AgroSciences
Research Chemist	BP Amoco
Research Environmental Chemist.....	U.S. Geological Survey
Senior Research Scientist.....	Wyeth Ayerst Pharmaceuticals
Toxicologist.....	Eastman Kodak Company
Toxicologist.....	U.S. Environmental Protection Agency
Vice President of Medical Affairs	ADVANTAGE Health Plan