Possible Career Options
(some career areas require advanced education)
Agricultural Scientist
Anesthesiologist
Biochemist/Molecular Biologist
Chemical Engineer
Chemist
Clinical Specialist
Color Development Chemist
Cosmetics
Crime Lab Analyst
Dentist
Education
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
Occupational Therapist
Optometrist
Patent Agent
Pharmaceutical Sales Representative
Pharmacy Technician
Physician
Physical Therapist
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
WHAT CAN I DO WITH A MAJOR IN...
CHEMISTRY AND BIOCHEMISTRY

Web Resources

**Online Career Resources**
*Occupational Outlook Handbook*
http://www.bls.gov/

*The Career Project*
http://www.thecareerproject.org

**Internship Online Resources**
*Local Internships*
http://hope.joinhandshake.com

*Non-local Internships*
www.internships.com

**Employment Opportunity Online Resources**
*Chemistry Jobs*
www.chemistryjobs.com

*Science Careers*
www.sciencecareers.org

*Science Jobs*
www.sciencejobs.com

More resource links are available at the Career Development Center 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

<table>
<thead>
<tr>
<th>Position</th>
<th>Company/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Chemist</td>
<td>Eli Lilly and Company</td>
</tr>
<tr>
<td>Anesthesiologist</td>
<td>Inova Alexandria Hospital</td>
</tr>
<tr>
<td>Associate Chemist</td>
<td>GlaxoSmithKline</td>
</tr>
<tr>
<td>Beam Physiclan</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Biochemist</td>
<td>Agilent Technologies</td>
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<tr>
<td>CEO</td>
<td>Trimed Solutions</td>
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<tr>
<td>Chairman/CEO</td>
<td>IdeaSphere, Inc.</td>
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<tr>
<td>Chemical Engineer</td>
<td>NASA</td>
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<tr>
<td>Chemist</td>
<td>General Motors</td>
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<tr>
<td>Chemistry Group Leader—Neuroscience</td>
<td>Abbott Laboratories</td>
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<tr>
<td>Chief Engineer</td>
<td>The Boeing Company</td>
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<tr>
<td>Doctor of Internal Medicine</td>
<td>Mayo Clinic</td>
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<tr>
<td>Endodontist</td>
<td>Madison Endodontic Associates</td>
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<tr>
<td>Energy Analyst</td>
<td>Energetics, Inc.</td>
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<tr>
<td>Epidemiologist &amp; Data Manager</td>
<td>Michigan Department of Community Health</td>
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<tr>
<td>ER Physician</td>
<td>Mercy Memorial Hospital</td>
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<tr>
<td>Forensic Scientist</td>
<td>Michigan State Police</td>
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<tr>
<td>Head of Biomedical Sciences</td>
<td>Colorado State University</td>
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<tr>
<td>Health Care Administration</td>
<td>New York State</td>
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<tr>
<td>Industrial Hygienist</td>
<td>Pfizer</td>
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<tr>
<td>Laboratory Manager</td>
<td>Oakland University</td>
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<tr>
<td>Lab Technician</td>
<td>Fathom</td>
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<tr>
<td>Medical Representative—Pharmaceutical Sales</td>
<td>Merck</td>
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<tr>
<td>Medicinal Chemist</td>
<td>Wyeth</td>
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<tr>
<td>Oceanographer</td>
<td>AUTEC</td>
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<tr>
<td>Optometrist</td>
<td>Veld Vision Center</td>
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<tr>
<td>Organic Chemist</td>
<td>EDI Engineering &amp; Science</td>
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<tr>
<td>Orthopedic Surgeon</td>
<td>University of Virginia</td>
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<tr>
<td>Patent Agent</td>
<td>Dow Chemical</td>
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<tr>
<td>Pediatric Dentist</td>
<td>Health Partners</td>
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<tr>
<td>Pharmacist</td>
<td>Rite Aid</td>
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<tr>
<td>Physician Assistant</td>
<td>Duke University Medical Center</td>
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<tr>
<td>Physical Therapy</td>
<td>Michiana Orthopaedic &amp; Sports Physical Therapy</td>
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<tr>
<td>President &amp; CEO</td>
<td>Blue Cross/Blue Shield of Massachusetts</td>
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<tr>
<td>Production Chemist</td>
<td>Lumigen, Inc.</td>
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<tr>
<td>Quality Control Chemist</td>
<td>First Priority</td>
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<tr>
<td>Research Associate (Cancer Biology)</td>
<td>Amgen Inc.</td>
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<td>Research Chemist</td>
<td>BP Amoco</td>
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<td>Research Environmental Chemist</td>
<td>U.S. Geological Survey</td>
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<td>Research Lab Assistant</td>
<td>Great Lakes Scientific</td>
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<tr>
<td>Senior Analytical Scientist</td>
<td>Gentex Corporation</td>
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<tr>
<td>Senior Research Scientist</td>
<td>Wyeth Ayerst Pharmaceuticals</td>
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<tr>
<td>Surgeon</td>
<td>Michigan Medical, PC</td>
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<tr>
<td>Technical Service</td>
<td>Perrigo</td>
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<tr>
<td>Toxicologist</td>
<td>U.S. Environmental Protection Agency</td>
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<tr>
<td>Vice President of Medical Affairs</td>
<td>ADVANTAGE Health Plan</td>
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</tbody>
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