**What Can I Do With a Major in** **CHEMISTRY**?

Below is a list of job titles, employers and graduate schools that Harvey Mudd College chemistry alumni have chosen in the last five years.

### Job Titles
- General Education Instructor
- Lab Technician
- Production Scientist
- Research Associate
- Research Technician
- Sales Engineer
- Support Scientist

### Employers
- Contour Energy Systems
- Counsyl
- E. & J. Gallo Winery
- Intellectual Ventures
- John McNeil & Company
- Medtronic
- Pacific Northwest National Laboratory
- Park Systems
- Peace Corps (Volunteer)
- San Joaquin Valley College
- Teach for America
- University of California, Los Angeles

### Graduate Schools
- California Institute of Technology
- City of Hope
- Colorado School of Mines
- Columbia University
- Duke University
- Georgia Institute of Technology
- Harvard University
- Hofstra North Shore-LIJ School of Medicine at Hofstra University
- Massachusetts Institute of Technology
- Northwestern University
- Princeton University
- Scripps Research Institute
- Stanford University
- University of California, Berkeley
- University of California, Davis
- University of California, Riverside
- University of California, San Diego
- University of California, Santa Barbara
- University of Colorado, Boulder
- University of Illinois, Urbana-Champaign
- University of North Carolina
- University of Southern California
- University of Texas at Austin
- University of Washington
- University of Wisconsin, Madison
- Washington University, St. Louis
- Yale University

### Starting Salary Summary
- **Average Salary**: $55,000 – 59,999

### Average Summer Wages
- **First-year**: $4,633 stipend
- **Sophomore**: $4,225 stipend
- **Junior**: $4,125 stipend

### Summer Employers
- California Institute of Technology (SURF Program)
- Colorado State University (Chemistry REU)
- Seoul National University*
- UC Santa Barbara (Mechanical Engineering Lab)
- UC Santa Barbara (RISE)
- University of Michigan*

*companies that hired for first-year students
Here are just a few areas that may interest a chemistry major.

<table>
<thead>
<tr>
<th>Area</th>
<th>Employers</th>
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<tbody>
<tr>
<td><strong>ANALYTICAL</strong></td>
<td>Federal, state and local government</td>
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<tr>
<td>Research and development</td>
<td>Federal agencies (e.g., NASA)</td>
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<tr>
<td>Analysis and testing</td>
<td>Manufacturing firms (e.g., textile, petroleum, food, electronics, machinery, cosmetics, paint, drug and chemical industries)</td>
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<tr>
<td>Consulting</td>
<td>Industrial production and inspection agencies</td>
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<tr>
<td>Environmental</td>
<td>Research laboratories and organizations</td>
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<tr>
<td>Forensics</td>
<td>Environmental protection organizations</td>
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<tr>
<td>Colleges and universities</td>
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<tr>
<td><strong>BIOCHEMICAL</strong></td>
<td>Federal, state and local government (e.g., Centers for Disease Control)</td>
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<tr>
<td>Research and development</td>
<td>Research laboratories</td>
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<tr>
<td>Analysis and testing</td>
<td>Pharmaceutical and medical research firms</td>
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<tr>
<td>Consulting</td>
<td>Biotechnology firms</td>
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<tr>
<td>Quality control</td>
<td>Agricultural companies</td>
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<tr>
<td>Medical</td>
<td>Plant growers and animal breeders</td>
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<tr>
<td>Environmental</td>
<td>Food processors</td>
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<tr>
<td>Industrial health and safety</td>
<td>Industrial production and inspection agencies</td>
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<tr>
<td>Hospital administration</td>
<td>Environmental protection organizations</td>
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<tr>
<td>Colleges and universities</td>
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<tr>
<td><strong>ORGANIC</strong></td>
<td>Federal and state government</td>
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<tr>
<td>Research and development</td>
<td>Related industries in petroleum, coal, wood products and plastics</td>
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<tr>
<td>Quality control</td>
<td>Manufacturing firms developing new synthetic materials and new production processes</td>
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<tr>
<td>Consulting</td>
<td>Research organizations</td>
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<tr>
<td></td>
<td>Cosmetics companies</td>
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<td></td>
<td>Engineering firms</td>
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<td></td>
<td>Hospitals and medical clinics</td>
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<td>Colleges and universities</td>
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**What You Can Do Now**
- Find research opportunities with professors and other experts in the field to gain experience.
- Develop strong computer, mathematics and science skills.
- Obtain part-time, volunteer, internship or summer experience.
- Take additional courses in biology, biochemistry, molecular biology, genetics, cytology and physiology.
- Obtain practical experience using various laboratory equipment and high-tech scientific equipment.
- Complete an undergraduate research project.
- Consider electives in computer science, engineering, business, public speaking and writing.
- Join related student professional organizations.

**What You Can Do After Graduation**
- An undergraduate degree is sufficient for entry-level positions such as lab coordinator, research assistant, product tester, analysis technician, technical sales representative or service representative.
- A master’s degree is sufficient for most applied research positions, industrial work and some community college teaching.
- Advanced degrees help speed career advancement.
- A PhD is required for university teaching and advanced positions in management and research and development. Postdoctoral experience is preferred for research positions in industry, universities and government.