

# WHAT CAN I DO WITH MY CHEMISTRY/BIOCHEMISTRY DEGREE?



UMBC - CAREER SERVICES CENTER

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## RESEARCH / MANUFACTURING

Pharmaceutical Co., Government/University Labs, Biotechnology Firms, Agricultural Chemical Co., Materials/Polymer Development Co., Oil Co., Textile Manufacturers, Food Co.

- |                          |                              |                             |
|--------------------------|------------------------------|-----------------------------|
| ≡ Lab Research Assistant | ≡ Quality Control Technician | ≡ Lab Technician            |
| ≡ Associate Chemist      | ≡ Analytical Chemist         | ≡ Clinical Technician       |
| ≡ Research Technician    | ≡ Fiber Technologist         | ≡ Drug Application Reviewer |
| ≡ Crime Lab Asst.        | ≡ Patent Examiner            | ≡ Petroleum Research Asst.  |

## PUBLISHING / INFORMATION

Corp. Libraries, Publishing Co. Technical Div., Chemical Co., Newspapers

- |                                    |                           |                        |
|------------------------------------|---------------------------|------------------------|
| ≡ Technical Information Specialist | ≡ Assistant Editor        | ≡ Promotions Assistant |
| ≡ Science Reporter                 | ≡ Technical Writer        | ≡ Document Analyst     |
| ≡ Indexer of Periodicals           | ≡ Science Text Sales Rep. | ≡ Copy Editor          |
| ≡ Medial Reference Editorial Asst. | ≡ Abstractor              |                        |

## MARKETING / SALES

- |                              |                          |                             |
|------------------------------|--------------------------|-----------------------------|
| ≡ Herbicide/Pesticides       | ≡ Lab Equipment          | ≡ Pest Control Services     |
| ≡ Chemicals                  | ≡ Photographic Supplies  | ≡ Water Treatment Chemicals |
| ≡ Pharmaceuticals/Drugs      | ≡ Abrasives              | ≡ Biomedical Products       |
| ≡ Polymer/Petroleum Products | ≡ Technical Service Rep. | ≡ Customer Service Rep.     |
| ≡ Marketing Research Analyst |                          |                             |

## ENVIRONMENTAL SCIENCES

National/State Parks, Chemical Co., Contract Labs, Hazardous Materials/Waste Management Co., Government, Universities

- |  |                                 |                                |
|--|---------------------------------|--------------------------------|
| ≡ Air/Water Quality Control Technician | ≡ Hazardous Waste Manager       | ≡ Lab Technician               |
| ≡ Volunteer Coordinator                | ≡ Nature Interpreter            | ≡ Park/Forest Ranger           |
| ≡ Recreation Planner                   | ≡ Regulatory Affairs Specialist | ≡ Documentation Specialist     |
| ≡ State Parks & Rec. Worker            | ≡ Natural Resource Manager      | ≡ Tour Guide/Educator          |
| ≡ Energy Conservation Technician       | ≡ Environmental Inspector       | ≡ Pollution Control Technician |
| ≡ Environmental Technician             | ≡ Conservation Officer          |                                |

## EDUCATION

- |                          |                          |                               |
|--------------------------|--------------------------|-------------------------------|
| ≡ Public Health Educator | ≡ Environmental Educator | ≡ High School Science Teacher |
| ≡ Peace Corps Volunteer  |                          |                               |

## HUMAN RESOURCES

- |                       |                     |                             |
|-----------------------|---------------------|-----------------------------|
| ≡ Technical Recruiter | ≡ Technical Trainer | ≡ Human Resources Personnel |
|-----------------------|---------------------|-----------------------------|

## NON-PROFITS - RESEARCH / POLICY

### Policy / Trade Organizations (Issue-Oriented / Non-Profit / National Associations)

- ≡ Community/Field Organizer
- ≡ Membership Coordinator
- ≡ Meetings Coordinator
- ≡ Project Manager
- ≡ Program Developer
- ≡ Lobbyist
- ≡ Fundraiser
- ≡ Political Organizer

### Research Organizations (Issue-Oriented / Non-Profit / National Associations)

- ≡ Project Assistant
- ≡ Research Associate

## HEALTH

### Hospitals, Insurers, Non-Profits

- ≡ Insurance Customer Service Rep.
- ≡ Hospital Public Relations Asst.
- ≡ Medical Technologist
- ≡ Medical Admissions Staff
- ≡ Medical Lab Technician
- ≡ Clinical Lab Specialist
- ≡ Patient Advocate
- ≡ Public Health Worker

## INSURANCE

- ≡ Claims Representative/Examiner
- ≡ Insurance Agent
- ≡ Underwriter

### KEEP IN MIND...

This list is just a brief introduction to your career options - it is *not* a complete list! Also keep in mind that although these career fields are open to you as a chemistry/biochemistry major, you must take extra steps to prepare yourself for a competitive job market. It is important to:

- (1) **obtain relevant internship, co-op, or volunteer experience** (see CSC about their part-time, major-related job announcements and the Shriver Center about co-op, internship, and service opportunities) *and*
- (2) **supplement your chemistry/biochemistry course work** with classes that would be relevant and beneficial to your chosen career field.

Make an appointment with a career advisor for suggestions on researching your career options, choosing a career field, and preparing for your chosen occupation.

### ADDITIONAL RESOURCES

Internet sites: that allow you to explore career options for Chemistry/Biochemistry degree:

- ≡ Career Services Center - Links by Major: [http://www.careers.umbc.edu/students/websites\\_major.php](http://www.careers.umbc.edu/students/websites_major.php)

### CSC Career Resource Center:

- ≡ *Jobs in the Drug Industry*
- ≡ *Great Jobs for Chemistry Majors*
- ≡ *Career Opportunities in Science*
- ≡ *Careers for Scientific Types*
- ≡ *Vault Guide to the Top Pharmaceuticals and Biotech Employers*
- ≡ *Vault Career Guide to Biotech*

### Professional Associations:

- ≡ **American Chemical Society** (<http://portal.acs.org/portal/acs/corg/content>)
- ≡ **American Society for Biochemistry and Molecular Biology** (<http://www.asbmb.org/>)