



## **Career Opportunities for Bio- and Chemical Engineers**

**Overview Bioengineers:** Based on information reported by the Career Cornerstone Center, biomedical engineers are typically employed in industry, in hospitals, in research facilities of educational and medical institutions, in teaching, and in government regulatory agencies. How you market yourself can open many other doors to add to your list of possible options.

**Overview Chemical:** Based on information reported by the Career Cornerstone Center, chemical engineers can work in manufacturing, pharmaceuticals, healthcare, design and construction, pulp and paper, petrochemicals, food processing, specialty chemicals, polymers, biotechnology, and environmental health and safety industries, among others.

### **Bioengineering Societies:**

#### **American Society for Healthcare Engineering (ASHE)**

ASHE is an organization for facilities managers, engineers, clinical engineering/medical equipment managers, and professionals in the fields of health care design, construction, and safety.

#### **Association for the Advancement of Medical Instrumentation (AAMI)**

AAMI is a unique alliance of users and manufacturers of medical instrumentation and technology united in their dedication to the safe use of medical technology.

#### **Biomedical Engineering Society (BMES)**

The purpose of the Society is to promote the increase of biomedical engineering knowledge and its utilization.

#### **Society for Biomaterials (SFB)**

The SFB is a professional society that promotes advances in all phases of materials research and development by encouragement of cooperative educational programs, clinical applications, and professional standards in the biomaterials field.

#### **Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)**

RESNA is an interdisciplinary association for the advancement of rehabilitation and assistive technologies (AT).

### **Chemical Engineering Societies:**

#### **American Institute of Chemical Engineers (AIChE)**

AIChE is the world's leading organization for chemical engineering professionals, with over 45,000 members from over 100 countries. AIChE has the breadth of resources and expertise you need whether you are in core process industries or emerging areas, such as nanobiotechnology.

#### **National Organization of Black Chemists and Chemical Engineers (NOBCCChE)**

NOBCCChE's (pronounced No-be-shay) Mission: To build an eminent cadre of people of color in science and technology.

### **Research Opportunities Can Be Found at:**

[http://www.nsf.gov/crssprgm/reu/reu\\_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm)

## How to Search for an Internship/Job:

- Search for positions using job position titles: chemical process engineer, production engineer, systems engineer, design engineer, quality engineer, project engineer, manufacturing engineer, multiphase reaction engineer, materials engineer, process development engineer, biomechanical engineer, research engineer, test engineer, clinical engineer, product development engineer, product analysis engineer, R&D engineer...
- Search using key phrases such as: chemical engineer, bioengineering intern, chemical engineering coop...
- **Importance of follow-up:** If you are using the internet, google the company or go to their site and link to their contact us page, utilize any phone numbers or email addresses to a direct person to follow up.

## OTHER SUGGESTED SITES:

<a href="http://www.internships.com/intern/engineering">http://www.internships.com/intern/engineering</a>	<a href="http://www.monster.com">www.monster.com</a>	<a href="http://www.nspe.org">www.nspe.org</a>
<a href="http://www.google.com">www.google.com</a>	<a href="http://www.careerbuilder.com">www.careerbuilder.com</a>	<a href="http://www.indeed.com">www.indeed.com</a>
<a href="http://www.wetfeet.com">www.wetfeet.com</a>	<a href="http://www.collegegrad.com/">http://www.collegegrad.com/</a>	<a href="http://www.careerjournal.com">www.careerjournal.com</a>
Respective Professional Society Sites	<a href="http://www.granted.com/">http://www.granted.com/</a>	<a href="http://www.aftercollege.com">www.aftercollege.com</a>

\*\*\*For International Students: <http://www.myvisajobs.com/>

## Below is just a small sampling of companies to consider when job searching:

- BrainLAB, Inc.
- ConMed. Corporation
- Johnson and Johnson
- RvD IDEA
- Abiomed
- Aethlon Medical
- Amgen Inc.
- Aperio Technologies
- Biomoda, Inc.
- CryoCor, Inc.
- Curis, Inc.
- Elan Pharmaceuticals
- GeneOhm Sciences, Inc.
- Genomics Institute of the Novartis Research Foundation
- Genvault Corp.
- Genzyme Corp.
- Inovio Biomedical Corporation
- Integra LifeSciences Corp
- Invitrogen Corporation
- La Jolla Pharmaceutical Company
- Lucent Medical Systems
- Mako Surgical Corp.
- Merck Research Laboratories
- Molecular Medicine BioServices, Inc.
- National Inst. of Standards and Tech.
- National Institutes of Health
- National Science Foundation
- MacroPore Biosurgery, Inc.
- Mount Sinai Medical Center
- Protein Polymer Technologies, Inc.
- REVA Medical, Inc.
- Syncardia Systems
- Aerotek
- Anheuser-Busch
- Bloomberg
- Deloitte Consulting
- Epic
- EY
- General Dynamics Electric Boat
- General Electric
- INFICON
- Microsoft
- Nalco Company
- O'Brien & Gere
- Pall Corporation
- PepsiCo
- Professionals Incorporated
- Salt City Technical
- Stantec Consulting
- Verso Paper
- Dart
- Carollo
- SABIC
- Carestream
- ZAP
- Honeywell
- Bayer
- Hiland Partners
- Novo Nordisk
- Biomet
- Chemence Medical Products
- BMPC
- Swenson Technology
- ConEdison
- Monsanto
- ALCOA
- FlexCon
- The Dow Chemical Company
- BOSTIK