

***The University of Iowa College of Engineering Professional Development
Cooperative Education/Internship Program***

Previous Biomedical Engineering Industry Employers

<u>Company Name</u>	<u>Location(s)</u>
3M	St. Paul, MN
Accenture	Chicago, IL
Acumed	Hillsboro, OR
Alcon Research Ltd.	Irvine, CA
Ankh Data Systems	Iowa City, IA
Athena GTX	Des Moines, IA
BD Diagnostics	San Diego, CA
Bergstrom CCS	Rockford, IL
Bio::Neos	Coralville, IA
Boston Scientific	Various
Cardinal Science	Bothell, WA
Care Fusion	Helsinki, Finland
Cellular Engineering Technology	Coralville, IA
Cerner Corporation	Kansas City, MO
CIVCO Medical Solutions	Coralville, IA, Kalona, IA
Cook Medical	Bloomington, IN
Dassault Systems	Auburn Hills, MI
Difibtech, LLC	Guilford, CT
DynaVox	Pittsburg, PA
Eaton Corporation	Spencer, IA
ESCO Group	Marion, IA
Fresenius Kabi	Lake Zurich, IL
FONA International	St. Charles, IL
General Electric	Bangalore, India
Globus Medical	Phoenixville, PA
Green Dental Labs	Rockton, IL
Harbor Branch Ocean Institute	Fort Pierce, FL
HistoGenetics	Ossining, NY
Idx LLC	Iowa City, IA
Integrated DNA Technologies	Coralville, IA
Iowa DNR	West Des Moines, IA
JMI Laboratories	North Liberty, IA
John Deere	Waterloo, IA
Johnson & Johnson	Skillman, NJ
Katecho, Inc.	Des Moines, IA
Mardil Medical	Arden Hill, MN
Mechdyne	Marshalltown, IA
MED Institute	West Lafayette, IN
Medical Murray	North Barrington, IL
Medline Industries	Mundelein, IL

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Company Name

Medtronic
Microvention
Miracle Tools
Rockwell Collins
Scheck & Siress
Scientific Collaboration Development Center
Shive-Hattery, Inc.
Southwestern Company
Target
Thermo Fisher Scientific
Tri-City Energy
Tyson Foods
Valley Labs
VIDA Diagnostics
Walt Disney World
W.L. Gore & Associates, Inc.
Zimmer, Inc.

Location(s)

Minneapolis, MN
Tushin, CA
Davenport, IA
Cedar Rapids, IA
Oakbrook Terrace, IL
Coralville, IA
Iowa City, IA
Nashville, TN
Cedar Falls, IA
Rockford, IL
Keokuk, IA
Dakota Dunes, SD
Boulder, CO
Coralville, IA
Lake Buena Vista, FL
Flagstaff, AZ
Warsaw, IN

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Previous Biomedical Engineering Research Employers

Organization Name

Location(s)

Cleveland Clinic	Cleveland, OH
Colorado State University	Fort Collins, CO
Delnor Hospital	Geneva, IL
Howard Hughes Medical Institute	Iowa City, IA
Iowa NSF EPSCoR	Iowa City, IA
Jones Microbiology Institute	North Liberty, IA
Mayo Clinic	Rochester, MN
Northshore University Health	Evanston, IL
Palmer College of Chiropractic	Davenport, IL
Rehabilitation Institute of Chicago	Chicago, IL
REU: Harvard University	Cambridge, MA
REU: MedIX	Chicago, IL
REU: Northeastern University	Boston, MA
REU: University of California at Berkley	Berkeley, CA
REU: Yale University	New Haven, CT
St. Louis University	St. Louis, MO
Steadman Philippon Research Institute	Vail, CO
Stevens Institute for Medical Research	Kansas City, MO
UI Cancer Research	Iowa City, IA
UI Center for Computer Aided Design	Iowa City, IA
UI Facilities Management	Iowa City, IA
UI Imaging Research	Iowa City, IA
UI Orientation Services	Iowa City, IA
UI Orthopedic Biomechanics Lab	Iowa City, IA
UI Translational Lung Imaging	Iowa City, IA
UIHC Cardio-Thoracic Surgery	Iowa City, IA
UIHC Department of Neurology	Iowa City, IA
UIHC Department of Ophthalmology	Iowa City, IA
UIHC Department of Orthopedics	Iowa City, IA
University Medical Center Hambur-Eppendorf	Hamburg, Germany
University of Chicago Surgery Department	Chicago, IL

A Biomedical Engineer, or Biomedical Engineering Specialist, is responsible for developing biomedical equipment and medical devices to aid the quality of life for medical patients. Their duties include creating equipment, devices or software programs to benefit healthcare professionals and their patients, ensuring the safety and functionality of their creations before the start of manufacturing and helping healthcare professionals learn how to use their inventions in their daily practice. Biomedical Engineer duties and responsibilities. Maintaining equipment and working with Scientists to research and develop life-changing products is just the beginning of the important work a Biomedical Engineer does during their day. Their typical daily responsibilities include Many biomedical engineers work on new products. During development they consider several factors including functional requirements, design, testing and evaluating the product for reliability, safety, cost and effectiveness. Beyond design and development many biomedical engineers work in maintenance, production or testing. They may supervise factory production, look for causes of failure and test for quality. Most engineering jobs are found in manufacturing industries or the professional, scientific and technical services industries. Federal, state and local governments employ 12 percent of engineers and 3 percent are self-employed. While most fields in engineering are expected to have only average growth, jobs for biomedical engineers are growing rapidly. Everything that a biomedical engineer does is centred around the improvement of health-related processes, they devote their time to studying how different designs can be appropriate for artificial organs, prosthetics and types of equipment used in hospitals. To work effectively as a biomedical engineer, you would need to have a basic understanding of; Anatomy. Physiology. Ability to work for long hours and work well under pressure. Who Are The Employers Of Biomedical Engineers? In case you were wondering where your degree as biomedical engineering would enable you to work in, here are some of the areas you can consider sending your applications to after graduation they include: Hospitals. Research Laboratories. Pharmaceutical Industries. What is a Biomedical Engineer? The field of engineering as a whole is an innovative field - coming up with ideas leading to everything from skyscrapers and automobiles, to aerospace and sonar. The field of biomedical engineering narrows its focus to innovating advances that improve human health and health care at all levels. A biomedical engineer analyzes and designs solutions to problems in biology and medicine, with the goal of improving the quality and effectiveness of patient care. There is an increasing demand for biomedical engineers, due largely because of the general shift towards the everyday use of machinery and technology in all aspects of life. These programs are designed to develop the skills and knowledge that quality employers seek. Biomedical engineers are employed by places including hospitals, pharmaceutical companies, consumer products companies, medical device and testing companies, government agencies, universities in research and academia, and medical schools. The department at Columbia prepares students for careers in areas such as the medical device industry, engineering consulting, biomechanics, biomedical imaging, and biotechnology; graduate studies in biomedical engineering or related fields; and attendance at medical or dental school. Biomedical Engineering Job Search. While some large organizations may recruit in the Fall semester, many others will seek full-time hires on an "as needed" basis. The key is to start your search early so that you do not miss opportunities.