BIOMEDICAL ENGINEERING

Biomedical Engineers apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of biological and health systems products. Biomedical Engineers may work with artificial organs, prostheses, instrumentation, medical information systems, and health management/care delivery systems. Biomedical Engineers work in manufacturing, universities, hospitals, company research facilities, educational and medical institutions, and government regulatory agencies. They frequently work in research and development or in quality assurance, serving a coordinating function by using their background in both engineering and medicine.

SAMPLE OCCUPATIONS
- Biomedical Engineers
- Biochemists
- Bioengineering Researcher
- Engineering Professor
- Biochemical Engineer
- Research Engineer
- Biomedical Technician
- Biomedical Manager
- Nanosystems Engineer
- Biophysicist

SAMPLE WORK SETTINGS
- Medical Equipment Suppliers
- Pharmaceutical Manufacturers
- Medicine Manufacturing
- Professional Schools
- Colleges or Universities
- Federal Government
- Hospitals
- Research Laboratories

TOP EMPLOYERS
- Johnson and Johnson
- General Electric Co.
- Siemens AG/Siemens Health
- Medtronic Inc.
- Abbott Laboratories
- Boston Scientific Corp.
- Bayer AG
- Baxter International Inc.
- Stryker Corp.
- Veterans Administration
- St. Jude Medical Inc.
- 3M Co.

Biomedical Engineering Average Salaries (BLS, 2016): Regional Average: $73,110 | National Average: $89,970

PROFESSIONAL ORGANIZATIONS
Connect with professional groups to learn about the field and network with other students and professionals.
- American Institute of Chemical Engineers: www.aiche.org
- American Society for Engineering Education: www.asee.org
- Biomedical Engineering Society: www.bmes.org
- IEEE: www.ieee.org
- Institute of Industrial Engineers: www.iienet.org
- International Engineering Consortium: www.iec.org
- American Society of Agricultural and Biological Engineers: www.asabe.org

JOB SEARCH RESOURCES
Keywords: Biology, Engineering, Chemicals, Bioengineering
- Engineering Central: http://www.engcen.com
- Engineering Jobs: http://www.engineerjobs.com
- Graduating Engineer: http://www.graduatingengineer.com
- Engineering Careers: http://www.thecareerengineer.com
- Jobs in Mechanical Engineering: http://www.mechanicalengineer.com
- The Chemical Engineer Magazine On-Line: http://www.tcetoday.com

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