Bioengineers and Biomedical Engineers 17-2031.00





Description: Apply knowledge of engineering, biology, chemistry, computer science, and biomechanical principles to the design, development, and evaluation of biological, agricultural, and health systems and products.

Other Resources:

ONET Link
MyNextMove Link

Sample of Reported Job Titles: Biomedical Electronics Technician, Biomedical Engineer

Job Zone

Title: 4 - Considerable Preparation Needed

Education: Require a four-year bachelor's

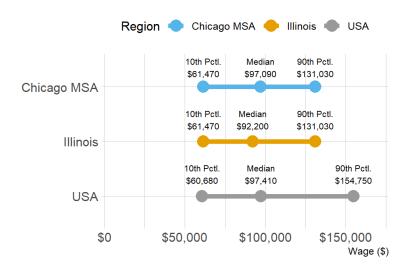
degree.

Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Hot Technologies: Ab Initio, Adobe Systems Adobe Illustrator, Adobe Systems Adobe Photoshop, Autodesk AutoCAD, Bioreactor Design, C++

Region	Employment	Location Quotient	Median Wage
Chicago MSA	700	1.36	\$97,090
Illinois	760	1.11	\$92,200
USA	17,190	-	\$97,410



Importance

(out of 100)

Frequency

Conduct research, along with life scientists, chemists, and medical scientists, on the engineering aspects of the biological systems of humans and animals.	Daily	83
Evaluate the safety, efficiency, and effectiveness of biomedical equipment.	Daily	78
Adapt or design computer hardware or software for medical science uses.	More than weekly	78
Develop models or computer simulations of human biobehavioral systems to obtain data for measuring or controlling life processes.	Daily	76
Research new materials to be used for products, such as implanted artificial organs.	More than monthly	75