



STEM Careers

Biomedical Engineer

Job Description: Use engineering to solve medical problems, such as creating replacement body parts and medical instruments.

What does a Biomedical Engineer do?

- Research new materials to be used for products, such as implanted artificial organs.
- Create a flexible artificial disc to replace a damaged one in order to relieve chronic neck pain.
- Invent a better aortic valve replacement so that heart patients can return to active lifestyles sooner.
- Develop safe and accurate ultrasound technology to help doctors monitor unborn babies.
- Research and develop new and improved tools for surgeons.
- Develop improved prostheses (artificial devices that replace missing body parts) for patients to improve mobility.
- Design devices for automating insulin injections.

Your Interests:

- Do you like to design things?
- Do you like to solve problems?
- Do you like to help others?
- Do you have good communication skills?
- Do you like working with computers?

Outlook: **Bright**

Average Salary - \$37.92 hourly, \$78,860 annual

Projected Job Openings - 14,900 over the next 10 years

Education/Program of Study:

- Bachelor's Degree in Engineering

Sources:

O*NET Online

http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/HumBio_biomedicalengineer_c001.shtml?From=testb