

What can I do with a major in...

BIOMEDICAL ENGINEERING

Biomedical engineers combine engineering principles with medical and biological sciences to design and create equipment, devices, computer systems, and software used in healthcare.

INDUSTRIES:

Medical Equipment and Supplies Manufacturing; Scientific Research and Development Services; Navigational, Measuring, Electromedical, and Control Systems Manufacturing; Pharmaceutical and Medicine Manufacturing

Common Job Titles

Manufacturing Engineer
Quality Engineer
Software Engineer
Researcher
Physician

Salary

\$59,000

ENTRY LEVEL

\$86 220

MEDIAN ANNUAL



0.4
UNEMPLOYMENT

Popular Employers

Aptus Endosystems
Atricure
Cardio Kinetix
Heartport Inc.

Tools

Electrometers
Medical MRI Scanners
pH Electrodes
Physiological Recorders
Pressure Indicators

Technology

Analytical/ scientific software
Computer Aided Design
Software
Development Environment
Software
Requirements analysis and
system architecture software

Work Styles

Analytical Thinking
Attention to Detail
Integrity
Dependability
Persistence

Related Occupations

Logistics Engineer
Chemical Engineer
Biochemical Engineer
Photonics Engineer
Manufacturing Engineering
Technologists



Biomedical Engineers:

- Design equipment and devices, such as artificial internal organs, replacements for body parts, and machines for diagnosing medical problems.
- Install, adjust, maintain, repair, or provide technical support for biomedical equipment
- Evaluate the safety, efficiency, and effectiveness of biomedical equipment
- Work with life scientists, chemists, and medical scientists to research the engineering aspects of the biological systems of humans and animals

Advice
from
the Pros

Develop a Portfolio.

Participate in every hands on, experimental learning opportunity that a balanced schedule allows. This way, you'll have something unique to show a prospective employer when you graduate, while other students will only be able to list their courses.



Learn the Value of Networking.



When it comes to being a leader, WHO you know is almost as important as WHAT you know. Attend lectures on campus and introduce yourself to the speakers. Build your LinkedIn profile.

Be a Team Player.



Throughout your career, you can be sure you'll work in teams, and the skills you develop in school will help prepare you to lead teams when you graduate.

Don't Be Afraid of Crazy Ideas.

Risk taking can lead to an important discovery, so don't be afraid of any crazy ideas, but make sure to be prepared to project- manage them with focus and prioritization.