WHAT CAN I DO WITH A MAJOR IN…

BIOMEDICAL ENGINEERING

Description of Major

A Bachelor of Science in Biomedical Engineering is a growing interdisciplinary field of engineering that integrates engineering and life sciences to solve problems associated with the human body and human health. The curriculum is built on a core of fundamental math/physics/engineering courses which is similar across all engineering disciplines. It is distinguished by a wide range of life science courses and specialized biomedical engineering courses such as computational modeling, biomechanics, biomaterials, and bioinstrumentation.

The Biomedical Engineering program at Mississippi State University offers two concentration: Biomedical Engineering (no emphasis) and Biomedical Engineering (Pre-medical emphasis).

For more information on this major, visit fto@abe.msstate.edu, stop by J. Charles Lee Agricultural & Biological Engineering Building or call 662-325-3282.

Possible Job Titles*

Customer Quality Engineer	*Field Service Engineer*
Operations Research Specialist	*Quality Engineer*
R&D Engineer	*Process Engineer*
Validation Engineer	*Associate Gas Engineer*
Healthcare Applications Engineer	*Research & Design Engineer*

Possible Employers*

Bayer U.S Cropscience	*BioHorizons Impant Systems Inc.*
St. Jude Hospital	*U.S Army Corps of Engineers*
Bristol Myers Squibb	*Kimberly Clark*
Medtronic	*International Paper*
Veterans Health Administration	*National Cancer Institute*

Job Search Websites*

The following links are excellent resources on specific careers such as those listed above:
- **Connections:** https://msstate-csm.symplicity.com/
  - **Career*shift* -** Under "Resources" tab
  - **GoinGlobal -** Under "Resources" tab
- **LinkedIn:** https://www.linkedin.com
- **O-net:** https://www.onetonline.org/
- **USAJOBS:** https://www.usajobs.gov/

Campus Involvement*

The following links are excellent resources on how to get involved on the MSU campus:
- **Bulldog Mentor Program:** https://bulldognetwork.msstate.edu/v2
- **Cowbell Connect:** https://msstate.campuslabs.com/engage/
- *Add other major-specific student orgs as you wish*

*Note: These lists are not comprehensive.