

What Can I Do With This **Ohio State** Major?

Bachelor of Science

Biomedical Engineering

College of Engineering

Biomedical engineering is a multi-disciplinary field that builds upon mathematics, physical sciences, and chemical sciences; integrates engineering and life sciences; and is applied to wide-ranging issues in biology and medicine. The biomedical engineering program in the Department of Biomedical Engineering educates engineers in both breadth and depth of biomedical engineering, with specific activities in the domains of bioimaging; biotransport; biomaterials; biomechanics; molecular, cellular, and tissue engineering; and micro/nano-biotechnology. Students are challenged to integrate the engineering and life sciences throughout the curriculum, including quantification of physiological processes, modeling, and computer simulation of biological phenomena.¹

Career Areas/Job Titles:

Management and Industry

Manager
Sales Specialist
Operations Manager
Consultant
Lawyer

Communication and Media

Technical Documentation Expert

Health Professions

Clinical Engineer

Doctor of Medicine
Equipment Consultant
Rehabilitation Engineer

Science and Technology

R&D Specialist
Biomechanics Engineer
Biomaterials Engineer
Bioinstrumentation Engineer
Design Engineer
Product Engineer

Plan Engineer

Education

Professor
Medical Researcher

Non-Profit/Advocacy

Social Service Consultant

**Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

Transferable Skills:

Biology	Written Communication	Adaptability/Flexibility
Chemistry	Emotional Intelligence	Attention to Detail
Engineering Fundamentals	Service Orientation	Judgment & Decision Making
Human Anatomy	Social Perceptiveness	Managing Time/Stress
Mathematics	Teaching/Instructing Others	Strategic Planning/Visioning
Physics	Teamwork	Creating Innovative Solutions
Persuasion	Identifying Problems	Multi-tasking
Provide/Respond to Feedback	Research Skills	Analytical/Critical Thinking
Use Technology Effectively	Setting Goals	Problem Solving

**This is not an extensive list of transferable skills. See larger list of skills you might develop here:*

<http://ccss.osu.edu>

Professional Links:

Biomedical Engineering Society: <http://bmes.org/>

Biomedical Engineering Society at OSU: <http://bmes.org.ohio-state.edu/index.php>

Biomedical Engineering at OSU: <http://bme.osu.edu/>

Society For Biomaterials: <http://www.biomaterials.org/>