What is Biomedical Engineering?

Biomedical engineering, or BME, is a multidisciplinary field of study that requires knowledge of engineering and the biological and physical sciences.

Biomedical Engineering at UAB

UAB offers the only undergraduate BME program in the state of Alabama. Our department consists of programs leading to bachelor’s (B.S.), master’s (M.S.), and doctoral (Ph.D.) degrees. We offer a biomedical engineering honors program for students interested in undergraduate research. An undergraduate minor is also available.

Program
Concentrations in BME

Biomedical Impants and Devices
- Biomaterials/Biomechanics
- Neuro Engineering
- Orthopedic Implants
- Tissue Engineering

Instrumentation and Imaging
- Biocomputing
- Cardiac Devices
- Cardiac Electrophysiology
- Medical Imaging

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Admission into the undergraduate BME program is highly competitive. The curriculum and experiences of a BME undergraduate are excellent preparation for graduate studies in engineering, the sciences, or for professional training in health-care fields such as medicine and dentistry.

Department of Biomedical Engineering
UNDERGRADUATE PROGRAM

UAB SCHOOL OF ENGINEERING
UAB HEERSINK SCHOOL OF MEDICINE

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM