Biomedical engineering (BME) is the application of engineering tools for solving problems in biology and medicine. It is an engineering discipline that is practiced by professionals trained primarily as engineers, but with a specialized focus on the medical and biological applications of classical engineering principles. BMEs apply their multidisciplinary expertise to problems such as designing new medical instruments and devices, understanding and repairing the human body, and applying resourceful and cross-disciplinary approaches to age-old problems in the fields of medicine, biology, and beyond. A biomedical engineer can expect to work in a wide variety of multidisciplinary teams with professionals such as physicians, biologists, researchers, nurses, therapists, mathematicians, administrators, and many others while working in industry, as entrepreneurs, and in the medical profession and academia.

DEGREES/MAJORS/CERTIFICATES

- Biology in Engineering for Engineering Majors, Certificate (http://guide.wisc.edu/undergraduate/engineering/biomedical-engineering/biology-engineering-engineering-majors-certificate)
- Biomedical Engineering, B.S. (http://guide.wisc.edu/undergraduate/engineering/biomedical-engineering/biomedical-engineering-bs)

PEOPLE

FACULTY

Williams (chair)
Ashton
Beebe
Block
Brace
Campagnola
Chesler
Gong
Huiskens
Kreeger
Li
McClean
Masters
Meyerand
Murphy
Rogers
Saha
Skala
Thelen
Tompkins
Vanderby
Webster

INSTRUCTIONAL STAFF AND FACULTY ASSOCIATES

Nimunkar
J. Puccinelli
T. Puccinelli
Suminski
Tyler

See also the BME Directory (http://directory.engr.wisc.edu/bme).