RUTGERS SCHOOL OF ENGINEERING
Advancing Leaders to Solve Today’s Complex Engineering Challenges

Biomedical Engineering Master of Engineering Graduate Degree Program
Rutgers School of Engineering’s Master of Engineering (ME) in Biomedical Engineering is a non-thesis-based degree program that allows students to earn a master’s degree in biomedical engineering without performing research or requiring a thesis. In addition to coursework and training in bioengineering fundamentals, students complete and present a term paper, project, or independent study. The ME program is a convenient, flexible option for busy professionals looking to enhance their credentials with an advanced degree.

Applied Learning
A world-class faculty helps students master essential aspects of biomedical engineering that can lead to professional advancement and career success in a dynamic, rapidly growing field.

BME Curriculum Highlights
Students can study any of our key focus areas: molecular systems; nanosystems and Microsystems; tissue engineering and regenerative medicine; biomechanics and rehabilitation engineering; physiologic systems; and bioinstrumentation, biomedical imaging, and neuroengineering. We also offer:

- A Certificate in Medical Device Development
- Courses in entrepreneurship
- Courses in a wide range of topics from multiple areas in biomedical engineering

Core Courses
Our core curriculum includes courses in:

- Bioimaging Methods
- Biosignal Processing and Biomedical Imaging
- Biocontrol, Modeling and Computation
- Kinetics, Thermodynamics and Transport in Biomedicine
- Biomechanics and Materials

Advanced Courses
Advanced course offerings include:

- Mathematical Modeling for Biomedical Engineering
- Structure and Dynamics in Adult and Stem Cell Biology
- Medical Device Development
- Professional Development (3 courses)

Master of Engineering Degree Requirements
- 33 credit program – 30 course credits and 3 non-thesis study credits
- Written terminal document
- Oral presentation of the terminal document

Why Rutgers Biomedical Engineering?
- Our innovative courses and programs are designed to train academic and industry leaders.
- Our collaborative, interdisciplinary academic community is committed to transformative education and research that is ethically responsible and sustainable.
- Our accomplished faculty include internationally recognized experts in their fields, who span departments and schools within Rutgers.
- Our inclusive student population is more than 50% female.

For application deadlines and more information, visit bme.rutgers.edu