Bioengineering, Biomedical, Food, and Pharmaceuticals

the MS in Engineering program at Rowan University

Rowan University is located in Glassboro, NJ, 30 minutes from Philadelphia and one hour from the Jersey Shore. The College of Engineering at Rowan University is renowned for its multidisciplinary, hands-on approach to engineering education. The College has an excellent student to faculty ratio, allowing MS Students to receive significant individual attention from faculty.

The Bioengineering, Biomedical, Food, and Pharmaceuticals focus is available to graduate students in the Chemical, Electrical and Computer and Mechanical Engineering programs. The sequence involves three semesters and one summer of interdisciplinary coursework, plus research that culminates in a Master’s Thesis. Students pursuing this focus will develop a strong foundation in bioengineering, biomedical, biomechanics, food, and pharmaceutical through 24 credit hours of coursework, complemented by research where the student works closely with one or more faculty members. Most projects are externally sponsored, allowing students to receive tuition scholarships and stipends, while working on cutting-edge topics. Depending on the chosen electives and research topic, this focus is appropriate for students interested in biomedical/biomechanical devices, pharmaceutical drugs manufacturing, or food science and processing.

Recent graduates have gone on to careers in government and industry, or pursued doctorates.

Electives offered in
Bioengineering Principles in Sports
Bioprocessing Processes
Biomedical Process Engineering
Biomedical Signal Processing
Cardiovascular Support Devices
Control Release Theory, Techniques/Applications
Engineering Exercise Dynamics
Engineering Quality Control
Food Engineering Systems
Introduction to Biofluids
Introduction to Biomechanics
Principles of Biomedical Systems and Devices

Funding Opportunities
Research assistantships are awarded competitively, based on funded projects. For full consideration for a research assistant position, we recommend that your application is submitted by March 1st. Initial decisions on funding are typically made in April. However, additional offers are sometimes made later, as additional sources of funding are secured.

Recent Funded Projects

For More Information:
http://engineering.rowan.edu/
Application Materials:
http://www.rowan.edu/graduateschool/prospective_students/grad_application/index.htm