A leader in undergraduate education, the Henry M. Rowan College of Engineering is consistently ranked a top #20 program, out of more than 200 programs in its category, by U.S. News and World Report. The college offers bachelor’s, master’s, and doctoral degrees, supports a cutting-edge research mission, and recently completed over $80 million dollars of enhancements to our academic facilities.

Rowan’s focus on undergraduate education ensures small class sizes, and distinct opportunities for students to work directly with full-time members of the faculty.

Each year over 90% of graduates were placed in career or graduate school placement.

Biomedical Engineering Program

Biomedical Engineering is at the intersection of medicine, biology, and engineering, focusing on improving and enhancing quality of life. Rowan’s ABET-accredited Biomedical Engineering program educates students to analyze and design innovative solutions, with the goal of improving the quality and effectiveness of patient care. Modeled after Rowan’s proven hands-on, real world, project-based curriculum, the BME degree program prepares students to contribute to health care solutions in an increasingly multi-disciplinary environment.

Our biomedical engineering program provides students with a firm grounding in the traditional engineering core, along with a solid background in the life sciences. Graduates of our program possess the skills and knowledge necessary to develop and design effective scientific and technological solutions, to pursue further studies in top graduate and medical schools, and to contribute as a practicing engineer in the biotechnology, pharmaceutical, and device industries.

Rowan’s 7-year accelerated degree programs in medicine give students the opportunity to earn a bachelor’s degree in Biomedical Engineering and an MD from the Cooper Medical School of Rowan University or a DO from the Rowan School of Osteopathic Medicine. The Department also offers a combined bachelor’s and master’s degree with thesis program completed in one extra year. There are also ample resources to foster translational research at the South Jersey Tech Park, which boasts five start-up companies from our department and drives medical innovations toward the commercialization of products. Further, the proximity of Rowan University to numerous biotechnology companies and research facilities in the State of New Jersey and the Philadelphia and New York metropolitan areas presents extensive opportunities for industry collaborations.

Engineering Clinic Program

Rowan’s signature and award-winning undergraduate curriculum engages students in a hands-on, minds-on sequence of courses beginning in the freshman year. Students work in multidisciplinary teams to develop meaningful, and applied solutions for real-world engineering problems. Clinic programs are sponsored by leading industry, medical, and government agency partners.

In the freshman and sophomore years, clinics are focused on engineering measurements, reverse engineering, and engineering design. In the junior and senior years, students work in small teams on cutting-edge, open-ended, sponsored projects under the direction of faculty, clinicians, and industry sponsors culminating in novel technology creation and development, patents, peer-reviewed articles, conference presentations, and prestigious student fellowships and awards.

For more information visit engineering.rowan.edu, call (856)-256-5300 or email (engineering@rowan.edu).