A leader in undergraduate education, the Henry M. Rowan College of Engineering is consistently ranked a top #25 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.

In 2019, 94% of our graduates received career or graduate school placement.

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Electrical & Computer Engineering Program

Electrical & Computer Engineering (ECE) is a project-based program, producing proficient engineers who can successfully solve the engineering challenges of the 21st century. The program has received significant recognition by employers and academic peers. U.S. News & World Report (2019 edition) ranked ECE #15, out of more than 200 programs reviewed, in its "Best Undergraduate Engineering Programs" category.

Rowan Engineering sees electrical and computer engineering as one, well-integrated discipline, as current and future challenges demand understanding and expertise in both areas. Thus, Rowan offers one of the few accredited, combined electrical & computer engineering degrees available in the nation. Our curriculum offers a unique combination of traditional electrical and computer engineering topics such as electronics, control systems, digital signal processing, telecommunications, energy systems, computer hardware & software design, microprocessors and embedded systems, and integrates them with emerging topics such as cybersecurity, machine learning, autonomous systems, and internet of things. Both our regular classes as well as hallmark engineering clinics feature projects from real-world applications, such as robotics, aerospace, automotive, virtual and augmented reality, medical imaging, among many others.

The program prepares students to excel in a broad spectrum of environments and sustain productivity throughout their career. Specifically, our graduates become agile problem solvers, competent in essential engineering and ECE knowledge, and are effective communicators. Graduates are sensitive to and aware of contemporary issues, have an entrepreneurial spirit and mindset, and can skillfully facilitate trans-disciplinary discourse; all skills needed to be successful in a modern engineering career.

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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 and government agency partners.

In the freshman year, clinics are focused on engineering measurements and reverse engineering; sophomore clinics are focused on engineering design. In junior and senior clinics, students work in small teams, on open-ended projects under the supervision of faculty. Each team works on a unique project, which can be multiple semesters in length.

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