

# Graduate Programs *specializing in* Combat Systems Engineering

Combat Systems Engineering • Electrical & Computer Engineering

## ABOUT THE HENRY M. ROWAN COLLEGE OF ENGINEERING

South Jersey industrialist and philanthropist Henry Rowan and his wife Betty made the creation of the College possible when they donated \$100 million to then-Glassboro State College in 1992 with the directive to revitalize engineering education. With a focus on minds-on, hands-on learning, the College offers bachelor's through doctoral programs, with degrees in Biomedical, Chemical, Civil & Environmental, Electrical & Computer, and Mechanical Engineering, as well as degrees in Construction Management and Engineering Entrepreneurship. In its 2018 rankings, *U.S. News & World Report* placed the College 19th out of more than 200 schools nationwide within its category.

## ABOUT ROWAN UNIVERSITY

Since its founding in 1923, Rowan University has evolved from a teacher preparation college to a bustling regional university to one that is ranked nationally among the best public universities in the North by *U.S. News and World Report*. Today, Rowan's 18,500+ students choose from more than 80 bachelor's and professional programs, 60 master's degree programs, and five doctoral programs. The University is one of just 56 institutions in the country with accredited programs in business, education, engineering and medicine.

ROWAN UNIVERSITY  
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## COMBAT SYSTEMS ENGINEERING CERTIFICATE OF GRADUATE STUDY

The Certificate of Graduate Study (COGS) in Combat Systems Engineering program equips students with knowledge of complex systems and applications of combat systems and defense technologies. The program is ideal for students who wish to obtain a critical background and skill set in combat systems engineering at the graduate level but do not wish or need to complete a master's degree program. Completion of this program gives students skills in analysis, design, evaluation, and validation of combat systems that are essential for all systems engineering jobs in the defense industry. This program consists of the following four classes and are offered in collaboration with Lockheed Martin, both at Rowan's Glassboro campus and other locations close to Lockheed Martin, such as Rowan College at Burlington County.

ECE 09.523 Advanced Radar Systems

ECE 09.524 Advanced War Gaming and C4ISR

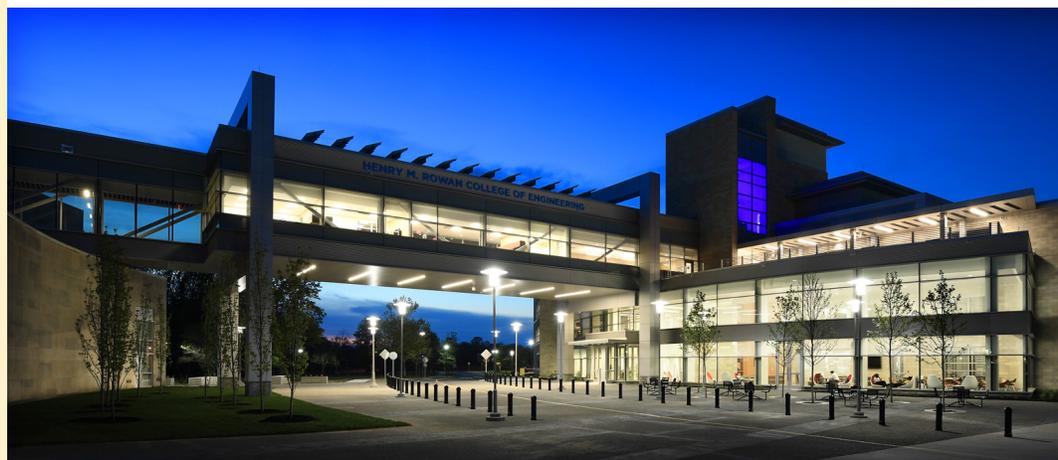
ECE 09.525 Advanced Command and Control

ECE 09.526 Advanced Weapon Systems

## THE MASTER OF SCIENCE IN ELECTRICAL & COMPUTER ENGINEERING

The Master of Science (MS) in Electrical & Computer Engineering (ECE) provides students an opportunity to expand their skill sets in advanced topics of interest, offering two tracks – research (thesis based) or professional (course only). Specialization areas include combat systems engineering, signal and image processing, machine learning, complex systems optimization, power systems and renewable energy, discrete event systems, high frequency, aerospace and virtual reality systems. Since it is one of the specializations available, all courses and credits for the COGS in Combat Systems Engineering can be applied to the MS in ECE program.

For more information, please visit [ECE Department webpage](#), [ECE Graduate Program webpage](#), as well as the [complete list of graduate courses available](#).



For all Combat Systems Engineering related questions,  
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