Graduate Research Opportunities in

Sustainability

the MS in Engineering program at Rowan University

Affiliated Faculty in Chemical Engineering (ChE), Civil and Environmental Engineering (CEE), Electrical and Computer Engineering (ECE), Mechanical Engineering (ME) and Geography (GEO).

Dr. Smitesh Bakrania (ME) – Photovoltaics
Dr. Krishan Bhatia (ME) – Alternative fuels
Dr. Kevin Dahm (ChE) – Solar Heating
Dr. Jess Everett (CEE) – Energy Efficiency
Dr. Stephanie Farrell (ChE) – Process engineering
Dr. Zanaida Gephart (ChE) – Experimental Design
Dr. John Hasse (GEO) – Land use
Dr. Robert Hesketh (ChE) – Process Engineering
Dr. Kauser Jahan (CEE) – Environmental engineering
Dr. Peter Jansson (ECE) – Alternative energy
Dr. William Riddell (CEE) – Windpower
Dr. Mariano Savelski (ChE) – Alternative fuels
Dr. C. Stewart Slater (ChE) – Pharmaceutical Engineering
Dr. Josh Wyrick (CEE) – Water Resources

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 Sustainability focus is available to graduate students from all disciplines of engineering at Rowan University. A typical course 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 foundation in one of four programs (Chemical, Civil and Environmental, Electrical and Computer, or Mechanical Engineering) and sustainability 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.

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

Electives offered in

Sustainable Design in Engineering
Advanced/Renewable Power Systems
Integrated Solid Waste Management
Fate and Transport of Pollutants
Pysicso-Chemical Treatment Processes
Water and Wastewater Treatment and Design
Automotive Engineering
Bioprocess Engineering
Green Engineering Design in the Chemical Industry
Biochemical Engineering
Safety in the Process Industries
Geographic Information Systems
Operations Research
Membrane Process Technology
Separation Process Technology
Air Pollution Control

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 February 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

Recycling scrubber caustic, BioX and synthetic fuels, site analysis for wind turbines, green engineering for aquaculture, waste heat recovery, alternative fuels, novel approaches to solar heating, nanoparticles for photovoltaic, design of large PV installation, alternative power trains for automobiles.

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