

THE ChemE EXPERIENCE

MATH, SCIENCE and GENERAL EDUCATION

Preparation for advanced engineering studies. Opportunities for liberal arts education in the social sciences, humanities and arts.

ENGINEERING FUNDAMENTALS

Chemical Engineering coursework extended over four semesters in the Sophomore and Junior years provide the basis of expertise in the discipline.

SENIOR SPECIALIZATION

Electives offer the senior engineer an opportunity to acquire specialized knowledge in areas key to career goals.

CLINIC COURSES (8 semesters)

Multidisciplinary Research & Entrepreneurship with Industrial, Foundation and Government Sponsors.

EXTRA-CURRICULAR ACTIVITIES

INTERNSHIPS

The College of Engineering Outreach Office assists with identification of summer internships, hosts Industry Day interview opportunities and provides resume and application assistance.

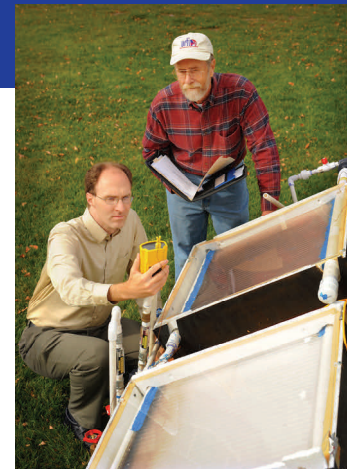
HONORS PROGRAM

Freshman students are encouraged to apply for the Honors Program
Website: http://www.rowan.edu/provost/honors_program

STUDENT SOCIETIES

We have a number of professional student chapters that allow students to engage in community service home and abroad: AIChE, EWB— Engineers Without Borders, SWE— Society of Women Engineers, Tau Beta Pi

Rowan University Chemical Engineering

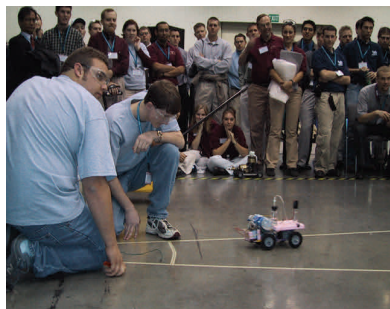


ChE Hallmarks

- Hands-on Education
- Multidisciplinary Teamwork
- Undergraduate Research
- Service Learning
- Global Education
- Sustainable Engineering
- Graduate Research
- Outstanding Alumni

UNDERGRADUATE RESEARCH OPPORTUNITIES:

Membrane Separations . Pharmaceutical and Food Processing Technology . Biochemical Engineering . Green Engineering . Controlled Release. Kinetic and Mechanistic Modeling of Complex Reaction Systems . Reaction Engineering . Novel Separation Processes . Modeling and Processing of High-Performance Polymers . Process Design and Optimization . Particle Technology . Environmental Engineering . Biomaterial Engineering . Biomedical Engineering



STUDY ABROAD OPPORTUNITIES

Semester Abroad .

Attend Conferences Worldwide

ENGINEERING CONCENTRATIONS AND SPECIALIZATIONS

Bioengineering Concentration . Materials Specialization

COMMON MINORS

Chemistry . Math . Biological Sciences



ADDITIONAL OPPORTUNITIES

Travel with ENGINEERS WITHOUT BORDERS

Intern with Local Industries

Summer Research at Universities



Dr. Mariano Savelski
Department Head
Sustainable Design
Food Engineering



Dr. Stephanie Farrell
Drug Delivery



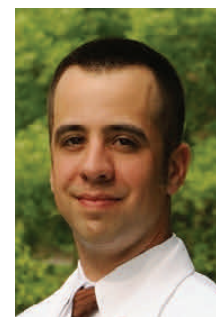
Dr. Robert Hesketh
Reaction Engineering and
Green Engineering



Jesse VanKirk
Petrochemicals



Dr. Kevin Dahm
Spectroscopy and
Engineering Design



Dr. Joseph Stanzione, III
Bio-based Polymers/Composites
and Sustainable Design



Dr. Jennifer Vernengo
Biomaterials Engineering



Dr. C. Stewart Slater
Membranes and
Pharmaceutical Engineering



Dr. Zenaida Otero Gephardt
Statistical Analysis
and Optimization



Dr. Mary Staehle
Systems Biology



Marvin Harris
Technician

