The Department of Chemical and Biochemical Engineering encompasses dedicated research centers including ones mentioned above that have generated nearly $210 million in research expenditures over the last 10 years.

In 2018 alone, Rutgers CBE Department had research expenditure in excess of $10 Million

**Student Diversity & International Exchange Programs**

We are committed to building equity, inclusion and diversity across our community, broadening and deepening both the educational experience and the scholarly environment. We have established partnerships with these renowned universities, allowing students to collaborate and participate in research exchange programs around the world:

- Institute of Chemical Technology, Czech Republic
- Graz University of Technology, Austria
- University of Hamburg, Germany
- Technical University of Denmark, Denmark
- Imperial College, UK
- Otto-von-Guericke University Magdeburg, Germany
- Purdue University, USA
- University of Puerto Rico at Mayagüez, Puerto Rico
- Western Michigan University, USA
- University of Limerick, Ireland
- and many more...

**Engineering at Rutgers**

Graduate Degree Programs in

**Chemical & Biochemical Engineering**

**Advanced Leaders in Chemical & Biochemical Engineering**

- *Biomolecular Engineering*
- *Advanced Materials*
- *Pharmaceutical Sciences*
- *Biofuels & Energy*
- *Process Systems & Reaction*

**Enriching Opportunities | Transformative Experiences | Global Career**

Specialization in cutting-edge Research & Development Sciences

Keeping pace with some of the most exciting discoveries and technology innovations today, the Department of Chemical and Biochemical Engineering at Rutgers University prepares graduates to pursue successful careers in a wide variety of industrial settings ranging from pharmaceutical, biotechnology, cosmetics, food, and advanced materials, to the more traditional areas of chemicals, oil and gas.

**Contact Us**

cbel@soemail.rutgers.edu
848-445-2228 | 848-445-4949
Engineering Building, Busch Campus
98 Brett Road, Piscataway, NJ 08854

*Geographic diversity of current CBE graduate student body*
The graduate program at Rutgers CBE allowed me to investigate the fundamentals of developing first-principle based models that can simulate, optimize and control pharmaceutical manufacturing processes. I had opportunity to work closely with industrial supervisors and present my work at professional conferences around the world.

Dana Barrasso, Class of 2016

Our Students

Class of 2017 Report
Student Demographic
- Masters Students: 122
- PhD Students: 63
- Non-degree Students: 5
- Female Students: 33%

Our Opportunities

Student Participation
- Internships & Co-op: 37%
- Paid Academic/Teaching Opportunities: 45
- International Exchange Programs: 16%
- Funded Conference Travel: 35

Our Faculty

Faculty Demographic
- Total Departmental Faculty Members: 22
- Total Faculty Members: 44
- Female Faculty: 23%
- AVG. Research Group Size: 10

CBE Facilities & Research Centers

RU Engineering has a new flagship building with state-of-the-art facilities and teaching labs. Other CBE research themes & centers are:
- Center for Structured Organic Particulate Systems
- Continuous Pharmaceuticals Manufacturing Pilot Plant
- Catalysis, Nanomaterials, and Reaction Engineering
- Systems Biology, Nanomedicine, and Tissue Engineering
- Glycoengineering, Cellular, and Biomolecular Engineering
- Computational Modeling and Process Systems Engineering

High-Powered Computing

- Caliburn supercomputing cluster at the Rutgers Discovery Informatics Institute (20,160 Intel Xeon ES-2695v4 cores, 143,360 GB RAM, capable of Rpeak of 677.4 TFLOPS).
- Beowulf-class computing cluster with dual core processors (16 nodes, 4 TB storage; 1 Gbps network).
- Rutgers School of Engineering computing cluster (80 16-core nodes, Intel Xeon ES-2670 processors, 226 GB RAM per node).
- CBE-exclusive partition with 128 additional Intel Xeon cores, as above.

Application Deadline: M.S., M.E. - Apr. 15 (Fall Admissions), Oct 15 (Spring Admissions) | PhD - Dec 15

Ed. Costs

- Estimated Expenses:
  - Room & Board: $13,450
  - Miscellaneous: $1,413
- Total Estimated Cost: $14,863

Our Alumni

Our Alumni are Currently Employed By:
- Pfizer
- Amgen
- Jefferies
- Applied Materials
- The Chemical Company
- Cognizant
- The Adecco Group
- National Grid
- DHL
- Amgen
- Abbott
- Merck
- Abbott
- Genentech
- Cognizant
- Deloitte
- Booz Allen Hamilton
- The Adecco Group
- United Airlines
- Calberson Solutions
- USAA
- Cognizant

Our graduates are employed by a wide range of companies in diverse industries.

Application:

- Application requirements:
  - Application form
  - Resume
  - 3 recommendations
  - Personal Statement
  - BS or MS Transcripts
  - GRE General Test
  - TOEFL/IELTS
  - For international, non-native English speaking applicants:

Financial aid is available to students through the CBE department and Rutgers University:
- Graduate Assistantships
- Teaching Assistantships
- Learning Assistantships
- School of Engineering Fellowships
- Lab Assistantships
- Graeder positions
- and other part-time university jobs