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

Geographic diversity of current CBE graduate student body

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
• Technical University of Denmark, Denmark
• Imperial College, UK
• Otto-von-Guericke University Magdeburg, Germany
• Purdue University, USA
• University of Puerto Rico at Mayaguez, Puerto Rico
• Western Michigan University, USA
• University of Limerick, Ireland
• and many more...

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

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.

cbe.rutgers.edu/graduate-program

CONTACT US

cbegrad@soe.rutgers.edu
848-445-2228 | 848-445-4949

Engineering Building, Busch Campus
98 Brett Road, Piscataway, NJ 08854

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INTERACTIVE PDF
Click pages and links for more info
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 Barraso, Class of 2016

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 Biomedical Engineering
- Computational Modeling and Process Systems Engineering

OUR STUDENTS
CLASS OF 2021 REPORT
STUDENT DEMOGRAPHIC
- Masters Students: 89
- PhD Students: 43
- Non-degree Students: 2
- Female Students: 34%

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: 21
- Total faculty members: 42
- Female Faculty: 19%
- Avg. research group size: 7

HIGH-POWERED COMPUTING
- Caliburn supercomputing cluster at the Rutgers Discovery Informatics Institute (20,160 Intel Xeon ES-2689V4 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, 228 GB RAM per node).
- Rutgers exclusive partition with 128 additional Intel Xeon cores, as above.

APPLING
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:
- $125 application fee

EDUCATIONAL COSTS
ESTIMATED FEES:
Calculated by the Office of Student Accounting, Billing and Cashiering
NJ residents: $33,526* Non-residents: $56,895*
* including mandatory fees

ESTIMATED EXPENSES:
Room & Board: $14,308 Miscellaneous** $6,192
** including books, travel and other fees
https://gradstudy.rutgers.edu/apply/overview

FUNDING OPPORTUNITIES
Several sources of funding are available to students through the CBE department and Rutgers University:
- Graduate Assistantships
- Teaching Assistantships
- Learning Assistantships
- School of Engineering Fellowships
- Lab Assistantships
- Grafter positions
- and other part-time university jobs

OUR ALUMNI
OUR ALUMNI ARE CURRENTLY EMPLOYED BY:
...