In 2015 alone, Rutgers CBE Department had research expenditure in excess of $7 million.

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 research 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 Mayaguez, Puerto Rico
- Western Michigan University, USA
- University of Limerick, Ireland
- and many more.

Graduate Degree Programs in Chemical & Biochemical Engineering

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.

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 research 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 Mayaguez, Puerto Rico
- Western Michigan University, USA
- University of Limerick, Ireland
- and many more.

Contact Us

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

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.
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

CBE FACILITIES & RESEARCH CENTERS
RU Engineering is in the process of constructing an $84 million, 100,000 sq. ft. flagship building with state-of-the-art facilities and laboratories. Our other specialized research centers include:
- Laboratory for Bio-membrane and Drug Delivery Systems
- Center for Structured Organic Particulate Systems
- Continuous Pharmaceutical Manufacturing Pilot Plant
- Catalysis and Reaction Engineering Laboratories

HIGH-POWERED COMPUTING
- Excalibur at the Rutgers Discovery Informatics Institute (2048 IBM BlueGene/P quad core node)
- Beowulf-class computing cluster with dual core processors (61 nodes; 4 TB storage; 1 Gbps network)
- Rutgers School of Engineering computing cluster (48 16-core nodes; InfiniBand network)
- CBE computing cluster (8 16-core nodes; InfiniBand network)

APPLICATION
Application requirements:
- Application form
- Resume
- 2 recommendations
- Personal statement
- BS or MS Transcripts
- GRE General Test
- TOEFL/IELTS
- For international, non-native English speaking applicants:
  - $12,756
  - $11,125
  - $125 application fee

http://www.gradstudy.rutgers.edu/apply/overview

EDUCATIONAL COSTS
2016-2017 ESTIMATED FEES
Calculated by the Office of Student Accounting, Billing and Cashiering
- NJ residents: $20,946*
- Non-residents: $31,821*
* including mandatory fees

ESTIMATED EXPENSES
- Room & Board: $12,756
- Miscellaneous: $5,439
  ** including books, travel and other fees

https://financialaid.rutgers.edu/cost-of-attendance/rutgers/

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
- Graeter positions
- and other part-time university jobs

OUR STUDENTS
CLASS OF 2016 REPORT
STUDENT DEMOGRAPHIC
- Masters Students: 144
- PhD Students: 60
- Non-degree Students: 5
- Female Students: 36%

OUR OPPORTUNITIES
STUDENT PARTICIPATION
- Internships & Co-ops: 42%
- Paid Academic/Teaching Opportunities: 22%
- International Exchange Programs: 16%
- Funded Conference Travel: 35%

OUR FACULTY
FACULTY DEMOGRAPHIC
- Total Departmental Faculty Members: 46
- Total Faculty Members: 52
- Female Faculty: 28%
- Avg. Research Group Size: 10

OUR GRADUATES
GRADUATE CLASS OF 2015 REPORT
STUDENT EMPLOYMENT
- Average Salary: $90K
- Job Placement Six Months After Graduation: 76%
- No. of Students Participating in Internships: 23

OUR ALUMNI
OUR ALUMNI ARE CURRENTLY EMPLOYED BY:

My research at Rutgers was instrumental in my career choice. Being involved in industry-sponsored projects and straight-to-application research helped me understand the frontiers of the field and the exact needs of the employers. The work I do at FDA now is essentially a continuation of the research I had been doing while at Rutgers.

Abhisek Salya '14, ORISE Fellow USFDA

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