ABOUT RENSSELAER POLYTECHNIC INSTITUTE

- Founded in 1824, one of the oldest engineering schools in the country
- Chemical Engineering Department founded in 1914
- Located on a hill above the Hudson River in Troy, NY, 150 miles north of New York City
- 6366 undergraduate students
- 1267 graduate students
- Rensselaer Technology Park, business incubator with >70 tenants

RESEARCH HIGHLIGHTS

- 30+ On-campus Research Centers
- 17 Engineering Focused Research Centers, including one NSF Engineering Research Center (ERC)

NOTABLE ALUMNI

- George Ferris, 1881 – Creator of the Ferris Wheel
- Washington Roebling, 1857 – Chief Engineer of the Brooklyn Bridge
- Ray Tomlinson, 1963 – Credited as the inventor of email.
- Ivar Giaever, 1964 – Nobel Laureate Physics in 1973, Professor of Physics RPI
- Claire Fraser, 1977 – Genomics Pioneer, President of The Institute for Genomic Research 1998 to 2011

ABOUT THE HOWARD P. ISERMANN DEPARTMENT OF CHEMICAL AND BIOLOGICAL ENGINEERING

STUDENT ENROLLMENT

- 434 Undergraduates
- 70 Graduate students

RANKING

27th in US News & World Report Graduate Rankings

DEGREES OFFERED

B.S. M.S. M.Eng. Ph.D.

DEGREES AWARDED

- 110 Bachelor’s
- 4 Master’s
- 15 Ph.D.’s

GRADUATE STUDENT SUPPORT

Doctoral students receive competitive stipend and tuition support (research assistantships, teaching assistantships or fellowships)

RESEARCH AREAS

- Advanced Materials
- Biochemical Engineering
- Biomedical Engineering
- Complex Fluids
- Drug Design and Delivery
- Interfacial Phenomena
- Molecular Modeling/Simulations
- Nanotechnology
- Process Control and Design
- Separations and Bioseparations
- Synthetic Biology/Metabolic Engineering

AFFILIATED RESEARCH CENTERS

- Center for Biotechnology & Interdisciplinary Studies (CBIS)
- Center for Materials, Devices and Integrated Systems (cMDIS)
- Institute for Data Exploration and Applications (IDEA)
- Many More

CHEMICAL & BIOLOGICAL ENGINEERING FACULTY

- Georges Belfort, NAE, Institute Professor
- B. Wayne Bequette, Professor
- Vidhya Chakrapani, Assistant Professor
- Cynthia Collins, Associate Professor
- Steven Cramer, William Walker Professor of Polymer Engineering
- Jonathan Dordick, Howard Isermann ’42 Professor of Chemical and Biological Engineering
- Shekhar Garde, Dean of Engineering, Elaine & Jack Parker Professor in Engineering
- Pankaj Karande, Associate Professor
- Mattheos Koffas, Dorothy & Fred Chau ’71 Career Development Constellation Professor
- Sangwoo Lee, Assistant Professor
- Joel Plawsky, Professor and Department Head
- Todd Przybycien, Professor
- Sufei Shi, Assistant Professor
- Patrick Underhill, Associate Professor
- Miao Yu, Priti & Mukesh Chatter Career Development Associate Professor
- Helen Zha, Assistant Professor
- Nihat Baysal, Professor of Practice
- Ron Hedden, Professor of Practice
- Corey Woodcock, Lecturer

CONTACT US:
Chemical & Biological Engineering
CBE.RPI.EDU (518) 276-6929
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