Why Graduate School in Chemical and Biological Engineering at the University at Buffalo?

UB occupies a top rank among the nation’s research-intensive public universities and is the flagship university of the SUNY system.

The UB School of Engineering and Applied Sciences is New York State’s largest and most comprehensive public engineering school.

With 160 multidisciplinary centers, institutes, and affiliated partners, such as the NYS Center of Excellence in Bioinformatics and Life Sciences, the Hauptman-Woodward Medical Research Institute, the Roswell Park Cancer Institute, and the NYS Center of Excellence in Materials Informatics, UB offers exceptional opportunities for collaborative research.

RANKINGS

CBE was ranked #36 nationally and #12 in the Northeast (US News & World Report, 2016), as well as #8 and #9 for publications and awards per faculty (National Research Council, 2010).

FACULTY AWARDS & SPECIAL RECOGNITIONS

Our faculty includes three members of the National Academy of Engineering, a National Medal of Science awardee, eight winners of NSF Presidential Young Investigator, New Young Investigator, and CAREER awards; Fellows of AAAS, AIChE, RAE, AIMBE, MRS, ACerS, ASM, NAI, APS, IOP, IAQMS; several recipients of national, international, and regional research and teaching awards from the AIChE, ACS, ECS, ASEE, Alexander von Humboldt Foundation, Tau Beta Pi, and the State University of New York system, among others.
In 2009, we established a lecture series to honor the scholarship and accomplishments of our most eminent colleague, Prof. Eli Ruckenstein. Each year, this event brings a distinguished scholar in chemical engineering to our campus to speak about his or her research, new trends in the field, and the world's grand challenges that chemical engineers can address. In 2015, our Ruckenstein Lecturer was Dr. Robert S. Langer from the Massachusetts Institute of Technology.

UB CBE faculty and students conduct cutting-edge research in the core areas of:
- Bioengineering
- Materials Science and Nanotechnology
- Computational Modeling and Simulation

CBE GRADUATE STUDENT RESEARCH SYMPOSIUM
Each fall semester, UB CBE hosts our Annual Research Symposium, during which our graduate students present their work to their peers, UB alumni, and representatives from local industry. The Symposium is a showcase for the excellence our department strives for in scholarship and graduate education.

RUCKENSTEIN LECTURE SERIES
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LAB FACILITIES & CENTERS
CBE researchers take advantage of a broad array of university-wide shared research instrumentation facilities, such as microfabrication and electron microscopy, genomics, animal labs, and a supercomputing research center.

CAREERS FOR OUR GRADUATE STUDENTS
Our students occupy a range of research and leadership positions in both academia and industry, including companies such as BASF, Dow, DuPont, AkzoNobel, Union Carbide, Unilever, Shell, BP, Bridgestone, Praxair, Honeywell, 3M, Bristol-Myers Squibb, Merck, Pfizer, Thermo Fisher, P&G, Pepsi, General Electric, Lucent, Corning, Intel, Micron, and Aspen.

ADMISSIONS INFORMATION
- Undergraduate and graduate transcripts (where applicable)
- GRE scores
- Letters of recommendation (three or more)
- A personal statement highlighting past accomplishments, professional objectives, special interests, and educational plans

GRADUATE DEGREES IN CHEMICAL ENGINEERING
- Master of Engineering (M. Eng.)
- Master of Science (M.S.)
- Doctor of Philosophy (Ph.D.)
See [www.cbe.buffalo.edu](http://www.cbe.buffalo.edu) for more information.

GRADUATE STUDENT FINANCIAL SUPPORT
Ph.D. students are supported with stipends for living expenses and full tuition scholarships. Our students are also successful in competing for a range of university-wide and national fellowships.
BUFFALO & SURROUNDING AREA

Buffalo is a great place to live, and we Buffalonians have a word for it: Buffalove. Our city features an exciting culture, arts, and sports scene, a vibrant nightlife, and cuisines from all over the world. Buffalo is situated on the shore of Lake Erie and on the border to Canada, with Niagara Falls and Toronto just around the corner. We have beautiful seasons that offer everything from skiing to sailing to sunbathing on the scenic waterfront to hiking in stunning fall foliage. Buffalo is known as the “City of Good Neighbors” for its warm and welcoming atmosphere, and it is ranked as one of the most affordable cities in America.

UB EVENTS

Each year UB’s Distinguished Speaker Series brings to campus a group of influential individuals to speak about current topics and trends. In the past, this series has brought renowned speakers such as President Barack Obama, Al Gore, Hillary Rodham Clinton, The Dalai Lama, Elie Wiesel, Katie Couric, Sanjay Gupta, Steve Wozniak, John Oliver, Kevin Spacey, and “Magic” Johnson.

QUESTIONS ABOUT THE GRADUATE PROGRAMS IN CHEMICAL AND BIOLOGICAL ENGINEERING AT UB?

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