AREAS OF RESEARCH CONCENTRATION

Biofuels and Biocatalysis
Biochemical Engineering and Biotechnology
Catalysis, Combustion, and Electrochemical Reaction Engineering
Computational Nanoscience and Biology
Electronic Materials and Devices
Energy and Sustainable Engineering
Nanoscience and Nanotechnology
Polymers, Soft Matter, and Innovative Textiles

FIND OUT MORE

For more information about our department, please contact:

Dr. Jason M. Haugh
Director of Graduate Admissions
cbe@ncsu.edu

Department of Chemical and Biomolecular Engineering
Campus Box 7905
NC State University
Raleigh, NC 27695-7905

TO APPLY: www2.arts.ncsu.edu/grad/applygrad.htm
VISIT OUR WEBSITE: www.che.ncsu.edu

WHY CHOOSE CBE AT NC STATE?

Among the nation’s best chemical engineering graduate programs
Innovation, multidisciplinary work, collaboration
New $1 billion campus, top facilities and equipment
Direct interaction with enthusiastic advisors
Top quality research program

OUR DEPARTMENT

#6 in research expenditures in US CHE departments
C&E News (2012)
#11 in PhD graduates
NRC (2010)
#15 in research activity
NRC (2010)

We have 30 faculty who mentor students and teach undergraduate and graduate courses. Ten of our faculty have won the NC State Alumni Outstanding Teacher Award. Three faculty are members of the prestigious National Academy of Engineering. Thirteen faculty members are Fellows of professional societies. The world’s leading introductory chemical engineering textbook was written by NC State CBE faculty members.


CENTENNIAL CAMPUS

The Department of Chemical and Biomolecular Engineering (CBE) is located on NC State’s Centennial Campus in Engineering Building I (EBI) – a 161,217 square-foot, state-of-the-art teaching and research facility. The EBI classrooms, atrium and student lounge feature wireless Internet connections, and each classroom has a built-in computer and projection system. Centennial Campus, a national model for university research campuses that houses more than 60 companies, government agencies and nonprofits, is designed to enable professors and students to work side-by-side with researchers from Industry.

We are committed to equal opportunities and equality of opportunity. The University does not condone discrimination against students, employees, or applicants in any form. NC State commits itself to positive action to secure equal opportunity regardless of race, color, creed, national origin, religion, sex, age, or disability. In addition, NC State welcomes all persons without regard to sexual orientation.

1,000 copies of this document were printed at a cost of $897.79.
Dear Prospective CBE Graduate Student,

Are you interested in graduate courses that provide breadth in the fundamental core areas of chemical and biomolecular engineering and are taught by faculty who have received university teaching awards? Do you want advanced courses that provide depth as well as breadth to your learning?

Are you excited by the opportunity to carry out cutting-edge research with scientific, technological and/or societal import? Would you like a supportive learning environment in which you have the opportunity to succeed? Then you should consider the Graduate Program in Chemical and Biomolecular Engineering at NC State University.

I invite you to visit the Department’s website and do some homework. Feel free to contact us with your questions. We look forward to receiving your application and welcoming you to the CBE community at NC State.

Sincerely,  
Peter S. Fedkiw  
Professor and Department Head

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DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

Are you thinking about a PhD degree in Chemical Engineering? Are you interested in graduate courses that provide breadth in the fundamental core areas of chemical and biomolecular engineering and are taught by faculty who have received university teaching awards? Do you want advanced courses that provide depth as well as breadth to your learning?

Are you excited by the opportunity to carry out cutting-edge research with scientific, technological and/or societal import? Would you like a supportive learning environment in which you have the opportunity to develop the "soft" skills that are so important to sustaining a successful career? Then you should consider the Graduate Program in Chemical and Biomolecular Engineering at NC State University. My faculty colleagues and I invite you to visit the Department’s website and do some homework. Feel free to contact us with your questions. We look forward to receiving your application and welcoming you to the CBE community at NC State.

Sincerely,  
Peter S. Fedkiw  
Professor and Department Head

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OUR FACULTY

QUOTES FROM PRESENT STUDENTS

"A great community that cares about and listens to students... good selection of advisors that cover a broad swath of fields, and collaborative projects within the department and with other departments and universities." - Phillip Westmoreland

"I find this Department to be unique compared with graduate departments in chemical engineering at other institutions. Here I feel challenged both in the classroom and lab, but the atmosphere is collaborative, not competitive." - Erik Sontag