Job Prospectus for the Department Head for Chemical and Biomolecular Engineering
NC State University
Raleigh, NC | Winter 2019
The Opportunity
NC State University’s College of Engineering invites applications and nominations for the position of Department Head for the Department of Chemical and Biomolecular Engineering. The Department Head will hold the rank of Professor with tenure and provide energetic and visionary leadership to a department with high achievements, expectations, and goals in teaching, research and service. The Department Head will report to the Dean and oversee all academic, administrative, and budgetary matters for the Department, and will represent the Department to the College, University Administration, and external groups and stakeholders.

The Department Head will also be expected to:

• Proactively lead departmental academic, research and outreach activities in the context of a broad vision of chemical and biomolecular engineering;

• Promote an inclusive and welcoming environment with a strong commitment to recruiting and retaining diverse students, faculty, and staff;

• Support faculty development; promote, recognize, and reward faculty research, excellence in teaching and mentoring, and excellence in outreach;

• Create and maintain high expectations among faculty regarding research leadership; advance and project the research stature of the department nationally and internationally;

• Create high expectations among faculty regarding student success; provide programs and opportunities for students to develop research and leadership skills;

• Effectively link programs within the department to the broader college and university mission; foster a culture of high-impact interdisciplinary collaboration in research, teaching and service within the College and across the University;

• Provide leadership in advancing departmental and College academic excellence within the university as well as relative to peer institutions;

• Engage alumni, industry, and other potential supporters; participate in increasing understanding and support for the College as a contributor to the well-being of the state, nation, and world; and

• Respect and adhere to university policies and the principles of fiduciary responsibility and stewardship of resources

Qualifications
The Department is seeking an outstanding individual who will be expected to have a strong commitment to academic and research excellence commensurate with the expectations of a major research university. Candidates shall possess a doctoral degree in Chemical Engineering, or a related field and credentials to be appointed at the rank of Professor with tenure in the department. The successful candidate will possess an outstanding record of research, teaching, administrative and leadership accomplishments along with a strong record of commitment to human and intellectual diversity.

Candidates should have experience and demonstrable skills in leading and managing programs, people, and positive change in environments similar to those found within research extensive universities. The Department Head must have a track record of working effectively with faculty, students, staff, administra-
tion, industry and departmental partners, and funding agencies. Excellent communication and interpersonal skills are essential to success.

How to Apply
Confidential review of applications will begin in December 2019, and will continue until the position is filled. Candidates should provide a resume or curriculum vitae, cover letter, and the names and contact information of three professional references. References will not be contacted without prior knowledge and approval of candidates. These materials may be submitted on-line at https://jobs.ncsu.edu/ (position #00000519). Anyone interested in this opportunity is encouraged to visit go.ncsu.edu/cbe_search and contact NC State Executive Search Services prior to January 6, 2020.

Inquiries and nominations may be directed to:
Frank Barragan, NC State Executive Search Services, at (919) 515-4365 or fbbarrag@ncsu.edu
Justin Lang, NC State Executive Search Services, at (919) 513-1963 or jdlanq2@ncsu.edu
About The Department

Historic strength and innovation meet in the NC State Department of Chemical and Biomolecular Engineering. Our internationally renowned faculty is the foundation for our internationally ranked department. Our faculty features five of NC State’s 23 National Academy members, as well as researchers who’ve earned national honors in both research and teaching and led international professional organizations. The vibrant, collegial, and balanced faculty also include junior faculty who have been awarded NSF CAREER, NIH DP1/R00, and other junior-faculty awards.

Like the field of chemical engineering itself, our department’s work transcends disciplinary lines. Our students and faculty work with colleagues across the academic spectrum in fields such as bioengineering and biotechnology, polymers, nanotechnology, energy, and environmentally responsive products and processes.

Our students work hand-in-hand with industry and government partners to get things done, from sponsored research that advances our understanding of the world to senior design projects that tackle real-life problems. When they graduate, our students are ready for the next step: more than 95 percent of them go straight to work or to graduate schools.

The department is situated on Centennial Campus, the nation’s leading higher-ed research park and home to state-of-the-art research and teaching facilities including materials science and biological core facilities, incubator spaces for new commercial ventures, and one of the most advanced research libraries in the world, Hunt Library.

Departmental Honors

- Ranked #5 in school spending on chemical engineering R&D
- Ranked #10 best Chemical Engineering School in the United States (Shanghai Ranking)
- Ranked #20 best Chemical Engineering School in the World (Shanghai Ranking)
- Ranked #21 best for undergraduate chemical and biomolecular engineering in the United States (U.S. News and World Report)
About the College of Engineering

The College of Engineering at NC State University is among the largest and most respected engineering colleges in the nation. With nine degree-granting departments within the College and three additional affiliated departments in other colleges, NC State Engineering offers its more than 10,000 graduate and undergraduate students a broad and diverse engineering education. The College offers 18 bachelor’s, 21 master’s and 13 doctoral degree programs that emphasize a collaborative, multidisciplinary approach and encourage undergraduates to participate in research alongside graduate students and faculty members.

The College has a very successful research program with more than $198 million in annual research expenditures. Current high-profile research programs include two National Science Foundation Engineering Research Centers (ERC), the Future Renewable Electric Energy Delivery and Management (FREEDM) Systems Center, and the Advanced Self-Powered Systems of Integrated Sensors and Technologies (ASSIST) Center. NC State is one of only two schools to currently lead two ERCs, and one of only two schools to ever be awarded the lead role in three.

The College has moved most of its departments to a state-of-the-art engineering building complex located on NC State University’s Centennial Campus, a groundbreaking research campus that brings together academia, private businesses, and government agencies and is a model for the 21st-century research-intensive university campus. Construction of a fourth engineering building in the complex, Fitts-Woolard Hall, has begun and the building is expected to open in 2020.

The College’s outstanding faculty includes 23 members of the National Academy of Engineering, three members of the National Inventors Hall of Fame, three winners of the National Medal of Technology and Innovation, and an Emmy Award winner. The outstanding young faculty members regularly receive National Science Foundation CAREER awards, averaging three to five per year over the past 10 years. U.S. News & World Report currently ranks the College 24th in graduate programs and 12th among public colleges of engineering.

The College’s students are among the best in the nation, with more than 74 percent of incoming freshmen graduating in the top 10 percent of their high school class. Once on campus, undergraduate students participate in a variety of opportunities including national competitions and a highly successful entrepreneurship program. First-year students begin their freshman year with an engineering competition, First Year Engineering Design Day event, where teams of students work to solve various engineering challenges. Graduates are highly sought after by industry and graduate programs, and College alumni include CEOs of Fortune 500 companies, entrepreneurs and members of Congress.
About NC State

At NC State, we create prosperity for North Carolina and the nation. We began as a land-grant institution grounded in agriculture and engineering. Today, we’re a pre-eminent research enterprise that excels across disciplines.

NC State is a powerhouse in science, technology, engineering, math, and statistics/analytics. We lead in agriculture, education, textiles, business and natural resources management. We’re at the forefront of teaching and research in design, the humanities and the social sciences. And we’re home to one of the world’s best colleges of veterinary medicine.

Our more than 35,000 undergraduate and graduate students learn by doing. They pursue original research and start new companies. They forge connections with top employers and serve communities local and global. Through it all, they enjoy an outstanding return on investment.

Whether it’s Princeton Review ranking NC State among the nation’s best values for universities, Money magazine naming it the No. 1 best college for your money in North Carolina, or Kiplinger’s Personal Finance ranking NC State No. 9 among the best values in public higher education, the university has many reasons to be proud.

Each year, NC State adds $6.5 billion to the statewide economy, equivalent to creating more than 90,000 new jobs. This represents significant return on investment for the citizens of North Carolina in the form of research advances, innovative technologies, successful companies, skilled graduates and new jobs waiting for them.

Our 9,000 faculty and staff are world leaders in their fields, bridging the divides between academic disciplines and training high-caliber students to meet tomorrow’s challenges. Together, they forge powerful partnerships with government, industry, nonprofits, and academia to remake our world for the better.
About Raleigh and North Carolina

North Carolina’s rapid growth makes the state a diversity leader and top spot for young professionals and families. Raleigh reflects statewide growth as a city on the rise:

- No. 2 among the best big cities to live in (Money, 2018)
- No. 2 among the best places for business and careers (Forbes, 2018)
- One of America’s most digitally inclusive tech cities (Brookings, 2018)
- No. 2 hotspot for tech jobs (Forbes, 2016)
- No. 3 best city for young professionals (Forbes, 2016)

With Durham and Chapel Hill, the capital city anchors the Research Triangle, a national hotspot for high-tech enterprise. The region’s top companies — including IBM, Cisco Systems, SAS Institute, Biogen Idec, and GlaxoSmithKline — rank among the country’s best employers. NC State also maintains strong agricultural partnerships with Bayer, BASF, and Syngenta, companies that lead the way in hiring new NC State graduates.

Celebrating its 132nd year in 2019, NC State continues to make its founding purpose a reality. Every day our career-ready graduates and world-leading faculty make the fruits of learning, discovery and engagement available to people across the state, throughout the nation, and around the world.
NC State provides equal opportunity and affirmative action efforts, and the university prohibits all forms of unlawful discrimination, harassment and retaliation that are based upon a person’s race, color, religion, sex (including pregnancy), national origin, age (40 or older), disability, gender identify, genetic information, sexual orientation or veteran status.