

**NC STATE**



## **Job Prospectus for Department Head Biological and Agricultural Engineering**

**Raleigh, NC | Fall 2024**

## About the Department of Biological and Agricultural Engineering

NC State's [Department of Biological and Agricultural Engineering \(BAE\)](#) has a reputation for excellence and is consistently ranked in the top 10 of all biological and agricultural programs in the country. The Department educates students to tackle the grand challenges of engineering in the 21st century, develops cutting-edge research programs to spark advances in engineering a sustainable future, and collaborates with stakeholders to extend research-based knowledge with extension and outreach activities. We do this while maintaining a strong community environment where faculty and staff truly engage with undergraduate and graduate students. The department is administratively located in the College of Agriculture and Life Sciences, with the teaching program jointly administered with the College of Engineering.

The department provides engineering leadership in the development and dissemination of knowledge related to the efficient utilization of biological and agricultural systems and the preservation, restoration and management of natural resources. We offer two four-year bachelor's degree programs, biological engineering and biological and agricultural engineering technology, graduate programs with Master of Biological and Agricultural Engineering, Master of Science, and Doctor of Philosophy degrees, and certificate graduate programs. Our undergraduate program is ranked #7 and our graduate program is ranked #3, according to US News and World Report. The Department offers an impactful student-to-faculty ratio of less than 10:1, a highly engaged network of alumni, meaningful undergraduate research opportunities, connected and involved departmental student organizations, and outstanding rates of job placement.





## The Opportunity

The College of Agriculture and Life Sciences (CALs) at North Carolina State University (NCSU) invites applications for the position of Head of the Department of Biological and Agricultural Engineering.

## The Position

The Head of the Department must provide visionary leadership and effective management to academic, research, and extension programs in a dynamic department with a strong reputation for excellence. The Head also has a key role in the recruitment and development of faculty and staff, oversees the planning and evaluation of the Department's programs, and is responsible for allocation and accountability of departmental budgetary matters. This position is expected to promote collaborations and partnerships with other University departments as well as state, national, and international agencies. The Head must be a strong advocate for the Department, the College, the University, and the profession. Because CALs is the primary extension arm of NC State Land Grant College, the department head is also expected to foster strong connections with local communities and industry to ensure the research and extension programs are addressing critical needs of North Carolina and in order to guide the growth and advancement of our teaching programs to best prepare students for the workforce. This position is 100% administrative but with some limited flexibility to accommodate some research, teaching, or extension activity.

NC State University is especially interested in qualified candidates who can contribute, through their experience, research, teaching, and/or service, to the excellence of the academic community.



## Qualifications

The successful candidate must have a doctorate in agricultural, biological, or a closely related engineering field, and a record of professional achievement suitable for a rank of professor.

Additional qualifications include but are not limited to the following:

- Demonstrated effective communication skills and team building abilities among faculty, staff, administrators, and students;
- The ability to articulate the vision of the department within the context of a large land-grant university to outside groups including government agencies, non-governmental organizations, and the general public;
- Abilities in supporting and mentoring faculty, students, and staff and in fostering effective interdisciplinary scholarship; and
- Professional Engineer licensure.

## How to Apply

Inquiries and nominations are invited and may be directed to: Junjie Wu, Search Chair and Professor and Department Head, Department of Agricultural and Resource Economics, at 919-515-4609 or [junjie\\_wu@ncsu.edu](mailto:junjie_wu@ncsu.edu).

Confidential review of applications will begin in December 2024 and will continue until the position is filled. Candidates should provide a resume/CV, cover letter, a two-page statement of vision for leadership of the department (Other Document 1), and the names and contact information for three (3) professional references. References will not be contacted without prior knowledge and approval of candidates. These materials must be submitted online at <https://jobs.ncsu.edu/> (position # 00000320).



## About NC State

At NC State, we create prosperity for North Carolina and the nation. We value diversity, equity, inclusion and justice. 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, and math. 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 38,000 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 [U.S. News & World Report](#) ranking NC State among the top 10 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. That represents a 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. We are also No. 2 in the country for research commercialization among U.S. universities without a medical school.





Our more than 9,500 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. We expect everyone to give of their talents, skills, time, and effort to make NC State an environment of inclusive excellence for all.

### 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. 6 among the best places to live in the U.S. ([U.S. News & World Report, 2024](#))
- No. 2 among the best-performing cities in the U.S. ([Milken Institute, 2024](#))

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 137<sup>th</sup> year in 2024, 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 University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process are welcome to contact 919-515-3148 to speak with a representative at the Office of Equal Opportunity.*