



**Job Prospectus for
Open Rank Faculty Positions in Sustainable Materials and
Technology**

Raleigh, NC | Spring 2026

About the Department of Forest Biomaterials

The [Department of Forest Biomaterials](#) at NC State is the largest one in our disciplines in the U.S. and a global leader in research and educational excellence in the areas of pulp and paper manufacturing, biomass utilization, and sustainable biomaterials. From educating future leaders to supporting industry research and development, the department emphasizes cutting-edge research, and strong partnerships with industry and communities to advance sustainable bioproducts, bioeconomy, and innovation in paper science and engineering and sustainable biomaterials. It is part of the College of Natural Resources (CNR) and is also affiliated with the College of Engineering. The Department's responsibilities include teaching, research, extension activities, the awarding of undergraduate degrees (Paper Science and Engineering, Sustainable Materials and Technology), and the awarding of graduate degrees (distance Master's, M.S., and Ph.D. degrees in Forest Biomaterials).

About the College of Natural Resources

The [College of Natural Resources \(CNR\)](#) at NC State has a long tradition of excellence in teaching, research, extension, and outreach. Today's college is a national leader in addressing the many ways that people's physical, economic and social needs are met while protecting the planet's natural resources for future generations. Experts in the college are working with businesses, industries, government, nonprofits, communities and citizens across North Carolina to provide programs and services that foster healthy communities and economies. The college supports the state's largest manufacturing sector, forest and wood products; its largest service sector, tourism; and more than half a million forest landowners. The college's natural environments, living labs, built space and applied research resources are essential to NC State's Think and Do environment.

The college is organized into various units, including administration, business services, academic affairs, information technology, forest assets, extension, college culture and community, advancement and research administration; three departments – Forest Biomaterials, Forestry and Environmental Resources; and Parks, Recreation and Tourism Management; the Center for Geospatial Analytics; and a number of research cooperatives and consortiums.

The Opportunity

The Department of Forest Biomaterials (FB) at NC State University is accepting applications for two open rank faculty positions (assistant, associate, or professor) in the field of sustainable materials and technology. The successful applicants will be interdisciplinary scholars and visionary leaders who have a demonstrated record of success and impact and are internationally recognized as one of the best in sustainable materials and technology.

Applicants in the open rank pool may be considered for the Stephen H. Conger Sr. Distinguished Fellow/Scholar/Professor in Sustainable Materials and Technology.

The Positions

The two positions at the rank of assistant professor, associate professor, or professor must be an active, innovative, creative, and collaborative scholar and leader who has excelled in situating sustainable materials at the forefront of their record of research, teaching, and engagement. The successful candidates will have an exemplary record of contributing to forest biomaterials, packaging materials, construction materials, and processing and manufacturing. The positions are a 9-month appointment with approximately 45% effort in research, 45% effort in teaching, and 10% effort in service.

Appointment at the level of distinguished fellow, scholar or professor is at the discretion of the Chancellor.

Key responsibilities of the position are as follows:

- Teach two core classes annually in the Sustainable Materials and Technology program.
- Advise and mentor graduate students and postdoctoral fellows, supporting their career success.
- Publish research articles in peer-reviewed journals and produce other scholarly products.
- Develop a nationally and internationally recognized research program in areas such as:
 - Sustainable bioproducts and advanced manufacturing
 - Packaging materials and products
 - AI applications in manufacturing and bioproducts
 - The sustainable bioeconomy utilizing emerging materials and technologies

Minimum Qualifications

The successful candidates will possess a Ph.D. in Forest Biomaterials, Wood Science and Engineering, Sustainable Packaging, or a related field. Candidates with degrees in Mechanical, Civil, Industrial, or Materials Engineering or candidates with impactful industry experience in biomaterials manufacturing and sustainable packaging are also encouraged to apply.

Required Qualifications

Additional qualifications are as follows:

- Ability to teach in the SWST Accredited Sustainable Materials and Technology program at the undergraduate and/or graduate level.
- Strong record of teaching and research in biomaterials manufacturing, composites, value-added fiber products, sustainable packaging materials and technologies, and AI applications.
- Demonstrated leadership and commitment to academic excellence, student success, and professional development for undergraduate and graduate students through mentoring.
- Ability to attract research funding from federal agencies, industrial partners, and other sources.
- Robust record of publishing impactful research in peer-reviewed journals.
- Ability to collaborate with diverse stakeholders, including wood products and packaging industries.
- Enthusiasm for leading and promoting the Sustainable Materials and Technology program and developing a sustainable packaging undergraduate program.

Preferred Qualifications for the Stephen H. Conger Distinguished Fellow, Associate, or Professor

- Ability to play a catalytic role in building the research and engagement portfolio of the Department of Forest Biomaterials, as evidenced by a track record of team research as both participant and leader.
- A talent for, and evidence of working effectively and collaboratively with faculty, university administration, and other constituent groups and partners both within and outside the university.
- Demonstrated success in scholarship, publications, and securing grant funding for fundamental or applied research in emerging bioproducts and other forest biomaterials development and manufacturing, packaging materials, or construction materials.
- Outstanding communication skills, including interpersonal, written, verbal, presentation and listening capabilities.

How to Apply

Inquiries and nominations are invited and may be directed to: NC State Executive Search Services: Justin Lang, at (919) 513-1963 or jdlang2@ncsu.edu. Confidential review of applications will begin in May 2026 and will continue until the positions are filled. Candidates should provide a resume/CV, cover letter, and the names and contact information of three (3) professional references. References will not be contacted without prior knowledge and approval from candidates. These materials will be submitted online at <https://jobs.ncsu.edu/> (position #00105305).



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 are a pre-eminent research enterprise that excels across disciplines.

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

Our more than 40,000 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 residents of North Carolina in the form of research advances, innovative technologies, successful companies, skilled graduates and new jobs waiting for them.

Our more than 10,000 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. We expect everyone to give of their talents, skills, time and effort to make NC State an environment of inclusive excellence for all.

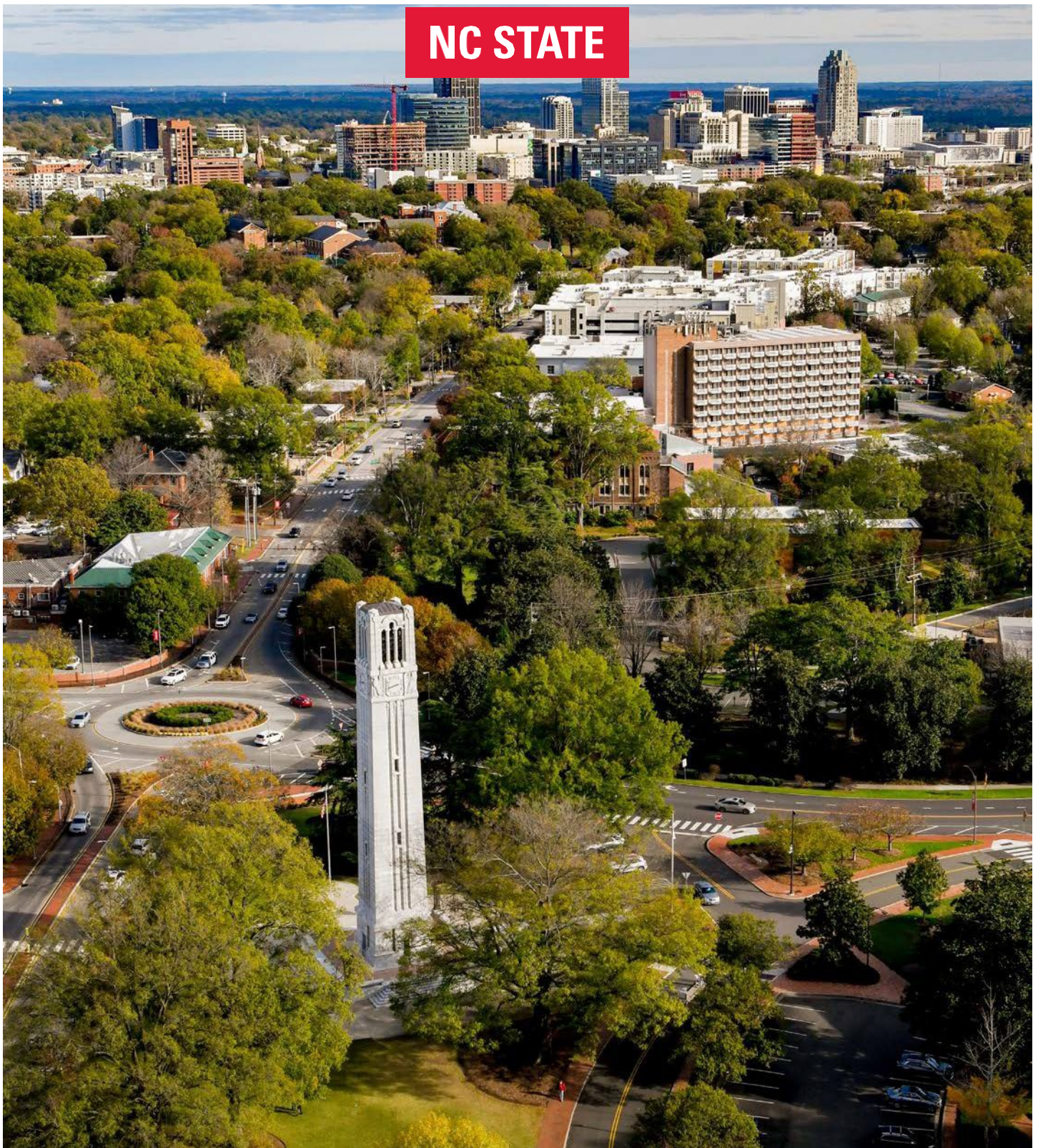
About Raleigh and North Carolina

North Carolina's rapid growth makes the state a leader and top spot for young professionals and families. Raleigh and the surrounding area reflect statewide growth as a city on the rise:

- No. 5 (Cary, NC) among the best places to live in the U.S. ([U.S. News & World Report, 2026](#))
- No. 5 among the best-performing cities in the U.S. ([Milken Institute, 2026](#))

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, Novozymes and Syngenta, companies that lead the way in hiring new NC State graduates. The region maintains a robust startup ecosystem with numerous engineering and sciences startups — many from NC State — along with abundant venture capital.

Celebrating its 139th year in 2026, 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.