



**Job Prospectus for the
Department Head,
Materials Science and Engineering**

**College of Engineering
NC State University**

**Raleigh, NC
Fall 2017**

The Opportunity

The College of Engineering at North Carolina State University (NC State) invites applications for the position of Department Head and Professor of Materials Science and Engineering (MSE). The successful applicant will have experience and demonstrable skills in leading and managing programs and people reflective of those found within research-extensive universities. The Head will have a proven record of accomplishment of working effectively with faculty, students, staff, administration, industry, alumni, departmental partners, and funding agencies. Excellent communication and interpersonal skills are essential to success. The successful candidate will be expected to have a strong commitment to academic and research excellence, commensurate with the expectations of a major research university.

About the Department

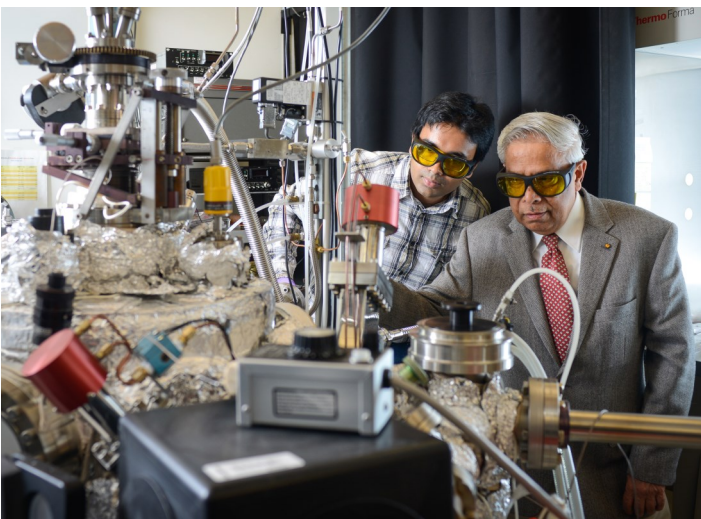
MSE is currently composed of 27 tenure/tenure-track faculty, two of whom have been hired in the last three years. The Department houses six centers and has traditional strengths in electronic materials, structural materials and technology transfer, with emerging expertise in biological materials, computational materials, magnetic materials, as well as interdisciplinary nanotechnology. The faculty have many honors, including 3 members of the National Academy of Engineering, 3 members of the National Academy of Inventors, and many Society Fellows (e. g. MRS, TMS, APS, etc.). There are about 145 undergraduate, 120 Ph.D, and 30 on-line MMSE students in the department. Annual research expenditures are over \$13 million.

About The College of Engineering

The College of Engineering at NC State is one of the world's finest engineering and computer science schools dedicated to creating an environment in which both faculty and students excel. Our highly-ranked College educates more than 10,000 undergraduate and graduate students and is one of the largest colleges in the UNC system, supporting 18 bachelors, 21 masters, and 13 doctoral degree programs.

In academic departments, state-of-the-art laboratories, and research centers, faculty and students engage in vital areas of research and technology transfer pursuing some of the most important educational initiatives and engineering research of our time in energy, health care, computer systems, nanotechnology and other important and emerging fields. Our extension and outreach programs share the fruits of many of those initiatives and research with the community.

The College's commitment to excellence is evidenced by the success of our faculty and students. Each year, both faculty and students receive numerous scholarly and professional awards for their teaching and technological achievements, and our graduates find top-notch careers in research and development, design, production and management. Many of our 57,700 alumni hold leadership positions in government and both private- and public-sector institutions around the world.



Central to much of the College's academic, research and entrepreneurial activities is the innovative Centennial Campus, a model for university campuses everywhere. Located on a 1,334-acre site adjacent to NC State's main campus, Centennial is home to more than 130 companies, government agencies, NC State research and academic units, and the state-of-the-art James B. Hunt Jr. Library. More than 2,200 corporate and government employees work at the campus alongside more than 3,400 faculty, staff, and students. Three dedicated buildings which house six engineering departments form the heart of the Centennial campus main oval. The College's presence is also cast across the Monteith Engineering Research Center, the Golden LEAF Biomanufacturing Training and Education Center, the Constructed Facilities Laboratory, the FREEDM System Center which is in the Keystone Science Center, and the ASSIST Center. Centennial Campus puts academic buildings in close proximity to companies such as ABB, LexisNexis, and Juniper Networks, providing an environment where students and faculty collaborate with industry and government agencies.

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 materials science and 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 leadership, teaching, and research accomplishments along with a strong record of commitment to diversity.

Candidates should have experience and demonstrable skills in leading and managing programs and people, reflective of those found within research-intensive universities. He/she must have a track record of working effectively with faculty, students, staff, administration, industry, alumni, departmental partners and funding agencies. Excellent communication and interpersonal skills are essential to success.

Search Specifics

Applications should be submitted at <https://jobs.ncsu.edu> (position #00000629) and should include a cover letter, curriculum vitae, a brief statement of leadership and administrative philosophy, and the names and contact information for at least three references. Screening of applications will begin December 1, 2017 and will continue until the position has been filled. Further information can be found at ess.hr.ncsu.edu/current-searches. Please refer all inquiries to Justin Lang, Director, NC State Executive Search at (919) 513-1963 or jdlang2@ncsu.edu.



About NC State

NC State was founded with a purpose: to create economic, societal, and intellectual prosperity for the people of North Carolina and the country. We began as a [land-grant institution](#) teaching the agricultural and mechanical arts. Today NC State is a pre-eminent research and teaching leader that excels in agriculture, science, technology, engineering, math, design, humanities and social sciences, textiles and veterinary medicine. NC State students, faculty, and staff take problems in hand and work with industry, government, and nonprofit partners to solve them.



Our 34,000-plus students apply what they learn in the real world by conducting research, working in internships and co-ops, and performing acts of world-changing service. That experiential education ensures they graduate ready to lead the workforce, confident in the knowledge that NC State consistently rates as one of the best values in higher education.

Whether it's [Princeton Review](#) ranking NC State among the nation's best values for universities or one of 81 nationwide "Colleges with a Conscience," NC State has many reasons to be proud. And Princeton Review is not alone. [Kiplinger's Personal Finance ranked NC State University 12th](#) and U.S. News & World Report ranked the university among the top 10 best values in public higher education.

About Raleigh and North Carolina

North Carolina is one of the fastest-growing states in America. A leading state in diversity and a top spot for young professionals and families, Raleigh is nationally recognized as a city on the rise:



No. 1 among the top 10 best cities for jobs ([CNN Money, 2015](#))

No. 3 among the best places for business and careers ([Forbes, 2016](#))

No. 5 among the best midsize U.S. metro areas for college students ([American Institute for Economic Research, 2017](#))

No. 5 among best U.S. cities for raising a family ([Forbes, 2017](#))

No. 6 among America's best cities for young professionals ([Forbes, 2017](#))

With Durham and Chapel Hill, Raleigh anchors the Research Triangle, a national hotspot for high-tech enterprise. The top companies in the region —

including IBM, Cisco Systems, SAS Institute, Biogen Idec and GlaxoSmithKline — are among the country's best employers. NC State also has strong agricultural partnerships with Bayer, BASF, and Syngenta. They also lead the way in hiring new NC State graduates. Celebrating its 130th year in 2017, 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 and discovery 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, age, veteran status, or disability. In addition, NC State University welcomes all persons without regard to sexual orientation. The University welcomes the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners.

NC STATE UNIVERSITY

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