Faculty Positions
Department of Materials Science and Engineering
North Carolina State University

The Department of Materials Science and Engineering (MSE) at North Carolina State University seeks outstanding applications and nominations for new faculty at the ranks of Assistant Professor, Associate Professor and Professor.

The Department is currently composed of twenty two tenure-track faculty, six of which have been hired in the last five years. The Department has traditional strengths in electronic materials, and structural materials, with emerging expertise in biological materials, computational materials, magnetic materials, and nanotechnology. The Department is now embarking on an initiative to grow the faculty by five FTE within the next five years. Faculty with expertise in the following areas are of particular interest:

- High-resolution transmission electron microscopy of advanced materials, nanostructures, and interfaces, with particular attention to atomic resolution Z-contrast techniques.
- Synthesis, growth, and processing of materials for electronic or optoelectronic applications exploring novel physical phenomena and new functionality for future high-performance devices benefiting our defense and security and/or energy generation and consumption.
- Conducting polymers, including expertise in synthesis and characterization of conducting polymers and evaluation of their potential for incorporation into working devices.
- Smart biomaterials, including interdisciplinary research interests related to the design of smart biomimetic materials for drug delivery, sensors, tissue engineering and nanomaterials applications. This position has the possibility of being joint with the Department of Biomedical Engineering.
- Structural metals or ceramics for high-temperature applications. Structural materials for advanced energy systems is a primary focus, including intermetallics, composites or novel nanostructured materials. Cross-disciplinary energy-related research activities engaging faculty in other engineering departments will be encouraged.

The new faculty will be national and international leaders in their respective fields, or on a clear trajectory to be so, and will work effectively in an interdisciplinary team with common intellectual goals. Senior candidates must have international standing, an exceptional record of publishing and external funding and a demonstrated record of scientific leadership. Junior candidates must demonstrate promise towards similar achievements. All candidates must possess a PhD in MSE or a related discipline at the time of appointment and the ability to teach at the undergraduate and graduate levels in MSE. Candidates with exceptional communication skills and the ability and commitment to work in synergistic, interdisciplinary research programs are preferred.

Nominations should include the name, address, telephone, and email contacts for the nominee along with a brief letter addressing the nominee's qualifications. Applicants should submit a cover letter, research plan, teaching plan, complete curriculum vitae, and the names and contact information of at least three references. Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. All nominations and applications should be submitted electronically via jobs.ncsu.edu, position number 4741. Specific information about the positions can be obtained via e-mail to Justin_Schwartz@ncsu.edu.

North Carolina State University is an equal opportunity and affirmative action employer. In addition, NC State University welcomes all persons without regard to sexual orientation. Individuals with disabilities desiring accommodations in the application process should contact the Department of Materials Science and Engineering at (919) 515-0493.