

Requisition ID: 28854

Associate Professor Positions in "Advanced Materials" in Purdue University's College of Science and College of Engineering

The Departments in the College of Science and the Schools of Materials Engineering in the College of Engineering at Purdue University invite applicants for multiple joint faculty positions at the rank of tenured Associate Professor, with departmental appointment(s) to align with candidate's expertise and interests. Successful candidates hired at all faculty levels as part of this University-wide cluster search will help form the core of a new interdisciplinary Center for Advanced Materials, along with an already established dynamic groups at Purdue University. Center faculty will create an interdisciplinary, globally competitive research presence in the design of new materials in which atomic and molecular-scale understanding and control of structure leads to transformative new capabilities at larger scales.

Applications are welcomed from all areas of **advanced materials research spanning discovery to characterization of** materials to address, among other challenges, climate change and/or sustainability. Areas of interest include but are not limited to: soft material synthesis or assembly, including polymeric and biomaterials such as protein and lipid materials; nanostructured and particulate materials, light absorbing or emitting materials, superconductors, metamaterials; geologic or planetary materials, mineralogy, environmental materials; high-throughput or automated materials synthesis, computational design of materials, quantum materials, and materials for advanced computational devices. Experimental, computational, and theoretical researchers are encouraged to apply. Applicants who work across multiple disciplines or work to develop interdisciplinary collaborations are especially encouraged to apply.

The College of Science, the College of Engineering and Purdue University: The College of Science is the second-largest college at Purdue with 7 departments, 353 faculty and more than 6000 students. The College of Engineering is the largest college at Purdue with 11 schools. The College of Engineering as a whole is currently ranked 4th in the U.S. of all doctorate-granting engineering schools by *U.S. News & World Report*. With multiple commitments of significant investment and strong alignment with Purdue leadership, the College is committed to supporting existing strengths and enhancing the scope and impact of the Advanced Materials research on campus. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see <https://www.purdue.edu/purdumoves/initiatives/stem/index.php>.

Qualifications: Applicants should have a PhD or similar doctoral level degree in the sciences or engineering with outstanding credentials in research, an excellent track record of or potential for leading publications and a strong commitment to excellence in teaching. Successful candidates are expected to develop a vibrant research program supported by extramural funding, display excellence in teaching at the graduate and undergraduate levels, and participate in departmental, college, and university service.

Application Procedure: Applicants should submit an application electronically at <https://careers.purdue.edu/job-invite/28854/> that includes: **(1)** a cover letter, **(2)** a complete curriculum vitae, **(3)** a description of proposed research (4 pages; this will be used to evaluate applicants' potential to develop a robust independent research program), and **(4)** a teaching statement (1 page); this will be used to evaluate applicants' potential for effectively contributing to the departments', the schools', College of Science's and College of Engineering's teaching mission. **(5)** Provide contact information for 3 references (the committee will contact them to provide recommendation letters after the down selection process is completed)

Applications will be reviewed beginning December 8, 2023, and will continue until the position is filled. A background check will be required for employment. Following initial screening, selected candidates will be asked to arrange for three letters of reference to be sent to the search committee.

Purdue University is an EOE/Affirmative Action employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.