

## **JOB DESCRIPTION**

The Department of Chemical Engineering at Virginia Tech seeks applications for a Tenure Track Professor at the Associate or Full Professor level. Candidates from any research field are welcome to apply, and those with a biomedical or biomolecular focus are particularly welcome. The department has a strong focus in the biomedical research area. Suitable candidates will be considered for an endowed Chair. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research.

The Department (<http://www.che.vt.edu>) is home to 17.5 full-time faculty members, including several early career awardees, holders of endowed and named professorships. The department benefits from excellent facilities with most of the faculty located in the recently constructed Goodwin Hall. We have an enthusiastic faculty including a number of recent new hires. Disciplinary areas of specialization include biomedical engineering, catalysis and surface science, colloids and interfaces, membranes and advanced separations, polymer science and engineering, process design and systems engineering, and supercritical fluids. The current annual departmental research expenditures exceed \$3.8 M.

## **ABOUT VIRGINIA TECH**

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of *Ut Prosim* (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The undergraduate program in the College of Engineering ranks 13th among all U.S. engineering schools (*US News and World Reports*). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

This faculty position will be filled at Virginia Tech's main campus, located in Blacksburg, Virginia. Blacksburg, and the surrounding areas, are consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C. area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Additional opportunities for interdisciplinary collaboration across the University, include the Department of Biomedical Engineering and Mechanics, the College of Veterinary Medicine, the Fralin Life Science Institute, the Center for Emerging, Zoonotic, and Arthropod-borne Pathogens (CeZAP), the Institute for Critical Technology and Applied Science (ICTAS), the Global Change Center, and Virginia Tech Carillion School of Medicine. Further, the U.S. NSF-sponsored NanoEarth Center, the ICTAS supported Nanoscale Characterization and Fabrication Laboratory, and the Advanced Research Computing (ARC) Center provide access to centralized instrumentation and computational facilities.

The department of Chemical Engineering is affiliated with three Interdisciplinary Graduate Education Programs at Virginia Tech - Computational Tissue Engineering, Macromolecular science and Engineering, and Regenerative Medicine. Members of the faculty participate in the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences, the Macromolecules Innovation Institute, the Institute for Critical Technology and Applied Science,

the Faculty of Health Sciences and the Virginia Tech Carilion School of Medicine. The department currently has an enrollment of approximately 60 graduate students and 300 undergraduate students. The graduate program is ranked 33<sup>rd</sup> among US Engineering Schools (US News and World Reports)

The successful candidate will have a distinguished record of scholarly publications, funded research, teaching effectiveness, professional and university service. They should also have experience with and commitment to interdisciplinary research and instruction and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or exemption status.

## **REQUIRED QUALIFICATIONS**

The successful candidate will have a Ph.D. in Chemical Engineering, Biomedical Engineering or a related field.

## **ADDITIONAL INFORMATION**

Applicants must apply online at [jobs.vt.edu](https://jobs.vt.edu) (job number 517914). Application materials will include a cover letter, curriculum vitae, a statement discussing teaching, research, and professional goals, a statement on contributions to advancing diversity, equity, and inclusion, and contact information for at least three references. Review of applications will commence on December 15, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Padma Rajagopalan, Chair Search Committee, at [padmar@vt.edu](mailto:padmar@vt.edu) (540-231-4851).

The Department fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact Stacey Ratcliffe at [slyons@vt.edu](mailto:slyons@vt.edu) at least 10 days prior to the event.