Two Tenure-Track Positions, open rank, in Chemical Engineering
Department of Chemical and Biomolecular Engineering
New York University

Description
The Department of Chemical and Biomolecular Engineering (CBE) at the NYU Tandon School of Engineering invites applications for two tenure track positions, open rank, in Chemical Engineering, with the earliest start date of September 1, 2024.

The CBE Department is undergoing major growth and rejuvenation, having hired six new senior and junior faculty in the last six years and moving into a newly renovated laboratory space in the heart of Brooklyn. The Department is now eagerly seeking two additional colleagues to join the newly created Sustainable Engineering Initiative to establish a leading ecosystem centered on education, research, and translation of technologies to Avoid, Mitigate, Remediate, and Adapt to Climate Change and Environmental Pollution.

Qualifications
The CBE Department encourages applications from candidates with an interest in establishing research programs with sustainable engineering applications, with emphasis on, but not limited to, the following areas:

- **Computational chemical engineering and materials science research** with a focus on approaches that span multiple length and time scales, including density functional theory, molecular dynamics, continuum modeling, process design and optimization, and system-level techno-economic and life-cycle analysis. Eagerness to collaborate with experimental groups is most desirable.

- **Experimental chemical engineering and materials science research** on heterogeneous and homogeneous catalysis and electrocatalysis, polymer circularity and upcycling, polymers for applications in chemical separations, water purification, resource recovery from waste streams, or electrochemical conversions. Transdisciplinary and collaborative approaches are encouraged.

Candidates must have a Ph.D. in chemical engineering, materials science, environmental engineering, or a related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record are desired from senior candidates, while junior candidates must demonstrate clear potential to achieve the same. All candidates must demonstrate or show potential for excellence in teaching and mentoring.

Application Instructions
Please submit the following materials electronically at: http://apply.interfolio.com/130363

- Cover letter
- Current CV
- Research Statement not to exceed 4 pages, including references
- Teaching statement not to exceed 3 pages, including references
- A statement of your experience with or knowledge of inclusion, diversity, equity, and belonging efforts and your plans for incorporating them into your teaching, research, mentoring, and service.
- Recent teaching evaluations (if available)
- Names and contact information for three references.

We strongly encourage interested candidates to apply by October 1st, 2023. The review of applicants will continue until we fill the positions. For any questions, please contact: Eray Aydil aydil@nyu.edu.
About Us

New York University (NYU) is one of the top private universities in the United States. NYU Tandon School of Engineering has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching, and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world-renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. We lead and have ties to multidisciplinary centers in wireless technology, cybersecurity, urban informatics, data sciences, artificial intelligence, renewable energy, and health. Our faculty and students are part of the high-tech start-up culture in New York City and downtown Brooklyn, and we support four “future lab” business incubators that connect our students and faculty to today’s innovation economy. With NYU’s unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning.

NYU Tandon is committed to creating a climate where diversity and inclusion are appreciated and considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their families to go to college. We seek faculty who have a real passion for a diverse environment. NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of work-life balance programs provided by the NYU Office of Work Life.

Additional Information

In compliance with NYC’s Pay Transparency Act, the annual base salary (for 9-month) range for this position is $115,000 - $165,000 for the Assistant Professor rank, $125,000 – 195,000 for the Associate Professor rank and $135,000 – 225,000 for the Full Professor rank. New York University considers factors such as (but not limited to) scope and responsibilities of the position, candidate’s work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

NYU aims to be among the greenest urban campuses in the county and carbon neutral by 2040. Learn more at nyu.edu/sustainability