

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 earliest start date of September 1, 2023.

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 newly renovated laboratory space in the heart of Brooklyn. The Department is now eagerly looking for two additional colleagues to join the newly created [Sustainable Engineering Initiative](#) with the goal of establishing 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 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 focus on approaches that span multiple length and time scales including: density functional theory, molecular dynamics, continuum modeling, process design and optimization, system level technoeconomic 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. degree 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 [Apply - Interfolio](#)

- 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 will review applications beginning on October 1st, 2022 and will continue until we fill the positions. We encourage early submissions of applications.

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, among others. Our faculty and students are part of the high-tech start-up culture in New York City and in 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 create a climate where diversity and inclusion are not only appreciated but 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 family 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](#).

Equal Opportunity Statement

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr

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.

Sustainability Statement

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