

Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create an impact far beyond the confines of discipline, degree, and campus.

About Northeastern:

Our locations—in Boston; Charlotte, North Carolina; London; Portland, Maine; San Francisco; Seattle; Silicon Valley; Toronto; Vancouver; and the Massachusetts communities of Burlington and Nahant—are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern's comprehensive array of undergraduate and graduate programs—in a variety of on-campus and online formats—lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

The Department of Chemical Engineering and Department of Chemistry and Chemical Biology invite applications for a joint faculty member in computational modeling related to multiscale mechanobiology, cell-cell, or cell-substrate interfaces. The appointment will be in a tenure-track line of open rank, at the assistant, associate, or full level, on the Boston campus. Junior candidates will be assigned senior faculty mentors to support the candidate's professional development and the ADVANCE Office of Faculty Development offers additional resources and affinity groups for faculty across the campus.

About the Opportunity:

The Departments of Chemical Engineering and Chemistry and Chemical Biology have active research programs spanning energy & sustainability, materials & nanotechnology, healthcare, complex/computational systems, and structural and molecular biology. Faculty within the two Departments have fruitful collaborations with various hospitals, universities, companies, and research facilities in the greater Boston area that add to the vibrancy of our programs and training of our students. Northeastern faculty utilize Discovery, a high-performance computing resource housed in the Massachusetts Green High-Performance Computing Center (MGHPCC) in Holyoke, MA.

Responsibilities:

Faculty responsibilities include: developing and sustaining an externally-sponsored research program, advising students, developing and teaching Chemical Engineering, Chemistry, and Chemical Biology courses at both undergraduate and graduate levels, and being involved in service to Northeastern and the profession. It is expected that each faculty member supports an inclusive environment both within their research laboratory and in their classrooms.

Qualifications:

Successful candidates must have a doctorate in chemical engineering or a closely related discipline from an accredited institution by the appointment start date. Senior-level candidates must have a demonstrated record of funded and

collaborative research, recognition for accomplished teaching, and a track record in service and supporting or leading efforts for inclusion and diversity. Junior applicants should demonstrate the ability to develop an innovative, externally funded, and collaborative research program. As education is a cornerstone of our Department of Chemical Engineering and Department of Chemistry and Chemical Biology, a candidate who can describe their experience and ability to engage trainees both in and out of the classroom is preferred.

In Northeastern's College of Science and College of Engineering, we embrace a culture of respect, where each person feels valued for their contribution and is treated fairly. We oppose systemic racism, and we stand for anti-racist policies. We embrace a culture where each person feels they belong, regardless of race, color, religion, religious creed, genetic information, sex, gender, gender identity, sexual orientation, age, national origin, ancestry, veteran, or disability status. We aspire to be colleges where membership reflects the demographics of society, and where each person is trained and mentored for their success.

The Chemical Engineering Department (www.northeastern.edu/che) at Northeastern University comprises one of the most diverse chemical engineering faculty in the nation with a demonstrated commitment to inclusion. The department consists of 23 tenured/tenure-track faculty, of whom 35% are women and 52% have been recognized with Young Investigator awards; four full-time teaching faculty with pedagogical scholarship; four co-operative education coordinators; five staff; and 13 faculty with affiliated appointments. The departmental spirit is collegial and engaged. The department is home to approximately 125 graduate students and 475 undergraduate students. Experiential education is a hallmark of our program, with nearly 300 undergraduate and graduate students completing co-ops in the past year and a commitment to undergraduate research.

Additional Information:

The Department of Chemistry and Chemical Biology (CCB) (<https://cos.northeastern.edu/chemistry-chemical-biology/>) includes 27 tenured/tenure-track faculty, 30% of whom are women; nine full-time teaching faculty; four research faculty; and eight faculty with affiliated appointments. CCB was recognized as the most gender-diverse faculty among the top 50 US Chemistry Departments in 2019. CCB enrolls approximately 150 undergraduate majors; 27 M.S. and PlusOne (BS/MS) students; and 80 Ph.D. students.

Applications must be submitted online by visiting the website at <https://careers.hrm.northeastern.edu/en-us/job/504200/>. Applicants should submit (1) a cover letter; (2) detailed Curriculum Vitae; (3) a statement of research interests and objectives (2pp); (4) a statement outlining teaching interests, educational approaches, and mentoring philosophy (2pp); (5) a statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions (2pp); and (6) the names and contact information of at least three professional references. Applications received by December 15, 2021, will receive full consideration. The target starting date is the 2021-2022 academic year, but the positions will remain open until filled. Inquiries and nominations for the position should be submitted to the chair of the respective search committee: ChESearch@northeastern.edu.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.