



**Chair, Department of Bioengineering
Northeastern University**

“Northeastern University, a dynamic, highly-networked research university with a global reach, is a world leader in experiential learning and a thought leader on the frontier of learning science. We foster excellence, creativity, and entrepreneurship throughout our undergraduate, graduate, and professional programs in a diverse and inclusive community.”

– Northeastern University Academic Plan

THE SEARCH

The College of Engineering at Northeastern University invites applications and nominations for the position of Chair of the Bioengineering Department. The Chair will provide a vision to direct the hiring of faculty, the nurturing of research foci, and the development of educational curricula.

NORTHEASTERN UNIVERSITY

Founded in 1898, [Northeastern University](#) is a global, experiential research university and offers a comprehensive range of undergraduate and graduate programs leading to degrees through the doctorate in nine colleges and schools. The university is in the top tier for research activity among U.S. colleges and universities, according to the Carnegie Classification of Institutions of Higher Education. Since 2006, the university has hired 656 new tenured and tenure-track faculty members. The university's tradition of partnership and engagement creates a distinctive approach to education and research built on the values of experiential learning, innovation, and entrepreneurship. Northeastern is the recognized leader in experiential learning, powered by the world's most innovative cooperative-education program. The University was ranked No. 1 by the Princeton Review for internships and co-ops in 2018. Northeastern offers students opportunities for professional work, research, service, and global learning in 136 countries on seven continents. The same spirit of engagement guides a use-inspired research enterprise that is strategically aligned with three global imperatives: health, security, and sustainability. The 220,000 square foot, six-story Interdisciplinary Science and Engineering Complex extends Northeastern's research enterprise with new state-of-the-art infrastructure and fosters collaboration across disciplines and with industry, academia, and government. Located in the heart of Boston, Northeastern is situated among the nation's best hospitals, world-renowned research and teaching institutions, and high technology firms, and offers a rich history of arts and culture. Regional campuses are also located in innovation hubs across

North America, including Charlotte, NC; Oakland, CA; San Francisco, CA; Seattle, WA; Silicon Valley; Portland, ME; Toronto and Vancouver.

COLLEGE OF ENGINEERING

The [College of Engineering](#) at Northeastern University is a vibrant academic enterprise that is growing in both size and stature. The College has 177 tenured/tenure-track faculty, 3,894 undergraduate, and 4,186 graduate students. At the core of the Northeastern Engineering experience is the top-ranked cooperative education program, which contributes significantly to richer experiential learning, industrial collaborations, and use-inspired research. In addition, the College of Engineering runs a \$76M (annually) externally funded research enterprise including 16 multidisciplinary research centers and institutes with funding from eight federal agencies. The Boston campus facilitates collaborations with major medical centers, research labs, neighboring academic institutions, and industry. The recently added Center for Imaging Living Systems, Experiential AI, and Roux Institutes broaden the reach and depth of research opportunities for the College of Engineering faculty.

DEPARTMENT OF BIOENGINEERING

The [Bioengineering Department](#) is the newest department (founded in 2014) at Northeastern University and is rapidly expanding its international reputation. The Department comprises 30 world-class core (tenured/tenure-track) faculty, with active research programs spanning systems biology, mechanobiology, biomechanics, bioimaging, molecular engineering, single-cell proteomics, and cell engineering. There are also five full-time teaching faculty, five co-operative education coordinators, and six staff members. The departmental spirit is collegial, vibrant, and growing, and is home to 93 Ph.D. students, 122 M.S. students, and 582 undergraduate students, over half of whom are women. Experiential education is a hallmark of the program, with over 180 students completing co-op placements in the past year, many at leading biotechnology companies based in Boston's globally-dominant entrepreneurial space (Moderna, Editas, Ginkgo Bioworks). Northeastern's integrative education model is ranked #1 in Cooperative education program (US News and World Report: 2022) which leads directly to the remarkable career placement rate of 96% for our bioengineering students.

QUALIFICATIONS

The next Chair will demonstrate outstanding leadership, management, and mentoring ability, and possess a clear vision for the future of bioengineering. The new Chair will be expected to build upon the department's recognized strengths, recruit outstanding faculty, promote scholarly initiatives, facilitate internal and external research collaborations, further develop already strong relationships with Boston's premier medical institutions, build strategic educational and entrepreneurial partnerships with Boston's vibrant biotechnology sector, and oversee curriculum changes. Furthermore, they should be able to foster corporate and alumni relations, promote new funding opportunities through research and advancement, steer the department through an exciting period of growth and change in the field, and lead the department to its next level of excellence and visibility.

The Chair is expected to have demonstrated strategic vision through the leadership of a well-established, nationally and internationally recognized research program, with a strong record of externally-funded research.

The next Chair will have demonstrated excellence and significant experience in teaching, with a commitment to high-quality teaching in bioengineering, and an interest in advancing education programs with a balance between undergraduate and graduate levels. The Chair should also have demonstrated leadership and administrative experience and a distinguished record of service.

A doctoral degree in bioengineering or closely related fields of science or engineering is required. Candidates from diverse backgrounds, including women, are strongly encouraged to apply.

TO APPLY

Northeastern University has retained Isaacson, Miller, a national executive search firm, to assist the search committee in its identification and review of candidates for the Chair of Bioengineering role. Please direct all inquiries, nominations, referrals, and applications electronically, in strict confidence to:

Vijay Saraswat, Partner
Alice Holland, Senior Associate
Sky Nockels, Search Coordinator
Isaacson, Miller
www.imsearch.com/8913

Northeastern is an EEO/AA Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern is an E-Verify Employer.

* DEIJB Statement Instructions: Please provide a statement of your commitment and contribution(s) to diversity efforts that describes your past experience, activities, and future plans to advance diversity, equity, inclusion, justice, and belonging in your teaching, research, and service. Your statement should demonstrate an understanding of the barriers facing marginalized communities in your field and be in alignment with Northeastern's mission and BEYOND 2025: The [Academic Plan](#) Paragraph 4.1 A Magnet for Diversity, and a place for belonging. As noted, your statement should reflect the diversity of the societies in which Northeastern maintains campuses and meet the educational needs and interests of its diverse population. Some chair candidates, in their opinion, may not have substantial past activities or live experiences which reflect areas of diversity, equity, inclusion, justice, and belonging. If that is the case, we recommend focusing on future plans in your statement.