

Tenure-Track, Assistant Professor Faculty Position in the Department of Chemical, Biochemical, and Environmental Engineering at UMBC

Description

The Department of Chemical, Biochemical, and Environmental Engineering (CBEE) at the University of Maryland Baltimore County (UMBC) seeks to fill a tenure-track position in the **broad fields of biomedical or biomolecular engineering**, including areas involving synthetic biology, systems biology, bioinformatics, biomanufacturing, metabolic engineering, and biological materials. We are especially interested in applicants who conduct interdisciplinary research which will complement the current expertise in our department and college.

Qualifications

The successful candidate is expected to build an externally supported research program, address novel challenges in their field, teach undergraduate courses in our core chemical engineering curriculum and specialized courses in their field of interest, and work with diverse faculty, students, and staff. Candidates should hold a doctoral degree in chemical, biochemical, biomedical engineering or a related discipline. We are particularly interested in candidates who are committed to diversity, equity, and inclusion. Candidates from historically marginalized communities, women, persons with disabilities, and veterans are strongly encouraged to apply. The anticipated start date for this position is August 2024.

General Information

The UMBC community is dedicated to excellence in higher education through an inclusive culture that connects innovative teaching and learning, research across disciplines, and civic engagement. We advance knowledge, economic prosperity, and social justice by welcoming and inspiring inquisitive minds from all backgrounds (<http://facultydiversity.umbc.edu>). UMBC is a Carnegie Classification R1 (very high research activity) public university with approximately 14,000 students. UMBC excelled in every category in the most recent “Great Colleges to Work For” ratings published in the Chronicle of Higher Education and was the only R1 university to do so. In 2017, UMBC was designated as a Minority Serving Institution (MSI) by the U.S. Department of Education and is leading the nation in inclusive excellence in research and teaching.

The CBEE department (<https://cbee.umbc.edu>) is a vital component of the College of Engineering and Information Technology (COEIT) at UMBC. Current departmental research focuses on biochemical, biomedical, bioprocess, environmental, computational, and water resources engineering. The CBEE faculty maintains diverse, active, and successful research programs averaging approximately \$400k per tenured/tenure-track faculty per year in external research support over the last five years. Our faculty are also active participants and leaders of interdisciplinary research centers, including the Center for Advanced Sensor Technologies (CAST) and the Center for Urban Environmental Research and Education (CUERE). CBEE faculty members regularly collaborate with researchers from nearby institutions, federal and state agencies, and private entities. In addition to departmental space and facilities, the recently

opened Interdisciplinary Life Sciences Building provides 123,000 square feet of flexible research and education spaces that incorporate modern biochemical, cellular, and molecular research facilities and support interdisciplinary research and teaching in the life sciences. The CBEE department actively promotes mentorship opportunities for new faculty members through the Faculty Development Center, which supports the development of effective teaching methods, and the ADVANCE Program, which supports the advancement of women at all faculty ranks.

The CBEE department has approximately 250 undergraduate and 55 graduate students, 11 tenure-track faculty, and three full-time professional-track (i.e., teaching) faculty. At the undergraduate level, the department provides tracks in three areas: traditional Chemical Engineering; Biotechnology and Bioengineering; and Environmental Engineering and Sustainability. All three tracks lead to the B.S. degree in Chemical Engineering. At the graduate level, the department offers M.S. and Ph.D. degrees in Chemical and Biochemical Engineering and Environmental Engineering. Our students participate in the Meyerhoff Scholars Program, the Meyerhoff Graduate Fellows Program, and the Center for Women in Technology, which have achieved national renown for inclusive excellence through the successful training of underrepresented students for careers in academia and industry.

The UMBC campus is located on 500 acres in the suburban Baltimore-Washington corridor. Our proximity and easy access to a wide variety of research facilities provide numerous opportunities for collaborative interdisciplinary research. For example, we are within a short drive to many federal facilities, including the National Institutes of Health, National Science Foundation, Department of Defense, Environmental Protection Agency, Food and Drug Administration, NASA Goddard Space Flight Center, and the National Institute of Standards and Technology. The bwtech@UMBC Research and Technology Park is a 71-acre community housing over 110 companies engaged in research, entrepreneurship, and economic development and is located on the UMBC campus. BWI Thurgood Marshall Airport and local/regional train stations are a five-minute drive from campus.

Application Instructions

Electronic submission of applications containing a cover letter, curriculum vitae, statements of research and teaching interests, a statement of commitment to diversity and inclusiveness, and contact information for three references is required at <http://apply.interfolio.com/135561>. The statement of commitment to diversity and inclusiveness should typically be 1-2 pages. The statement of teaching interests and the statement of research interests should typically be 1-3 and 3-5 pages, respectively, not including references.

Review of applications will begin on December 1, 2023 and will continue until the position is filled. For questions related to this position, please email cbee-search2023@umbc.edu. An informational webinar concerning this position will be held in early November for interested persons. Please see the CBEE Department website for more information.

UMBC is an Affirmative Action/Equal Opportunity Employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply.