



THE OHIO STATE UNIVERSITY

COLLEGE OF ENGINEERING

The William G. Lowrie Department of **CHEMICAL & BIOMOLECULAR ENGINEERING** seeks **FOUR** chemical engineering faculty to join a collegial group of 24 faculty:

- 1) *Endowed Chair / Full Professor*. Broad range of **ENERGY / SUSTAINABILITY / MATERIALS** fields (advanced materials, separations, reaction engineering, and catalytic or non-catalytic processes that are associated with but not limited to photo-, electro-, and/or thermo-chemical systems, as well as sustainability, green chemistry, process control, modelling, machine learning, data analytics, and artificial intelligence); or expertise in **BIOENGINEERING** research (cancer, cardiovascular, or infectious disease diagnostics or therapies, biomaterials, cellular systems, and metabolic modeling).
- 2) *Tenure-Track Assistant Professor* in the **ENERGY** fields listed above;
- 3) *Tenure-Track Assistant Professor* in the **BIOENGINEERING** fields above;
- 4) *Non-Tenured Professor of Practice* for teaching core lecture and laboratory courses.

Desired qualifications: Ph.D. in chemical engineering or equivalent disciplines, record of outstanding research, and a commitment to teaching excellence and embracing diversity.

The Ohio State University is a model 21st-century, top-20 land grant research institution with a top-rated academic medical center. It is located in the nation's 14th largest city of Columbus, Ohio, which offers a vibrant quality of life, beautiful green spaces, affordable housing and a low cost of living. Our state-of-the-art building opened in 2015.

Application Instructions: Visit cbe.osu.edu for more information and application links.

The Ohio State University is an Equal Opportunity / Affirmative Action Employer.

EXPANDED INFO ON THE FOUR FACULTY POSITIONS:

1) Endowed Chair / Full Professor Overview: Endowed Chair / Full Professor in the **ENERGY** and **Bioengineering** research areas as listed above. There are opportunities to collaborate with faculty colleagues in engineering, in science departments, or in our outstanding medical school and Comprehensive Cancer Center. Joint and courtesy appointments are common on our campus. Required Qualifications: Ph.D. in Chemical Engineering or equivalent discipline; National and/or international reputation in specialized research area as exemplified by national and international awards, and/or leadership positions in professional

societies. Desired Qualifications: Commitment to promoting diversity and inclusion in all areas of scholarship, instruction, and outreach; Experience working cooperatively and collegially to advance research and/or teaching programs with greatest efficiency and highest impact.

2) Tenure-Track Assistant Professor with expertise in a broad range of **ENERGY** fields as listed above. There are opportunities to collaborate with faculty colleagues in engineering, and in science departments. Joint and courtesy appointments are common on our campus. Required Qualifications: Ph.D. in Chemical Engineering or equivalent discipline, Desired Qualifications: Commitment to promoting diversity and inclusion in all areas of scholarship, instruction, and outreach; Experience working cooperatively and collegially to advance research and/or teaching programs with greatest efficiency and highest impact.

3) Tenure-Track Assistant Professor with expertise in a broad range of **BIOENGINEERING** fields as listed above. There are opportunities to collaborate with faculty colleagues in engineering, and in science departments. Joint and courtesy appointments are common on our campus. Required Qualifications: Ph.D. in Chemical Engineering or equivalent discipline, Desired Qualifications: Commitment to promoting diversity and inclusion in all areas of scholarship, instruction, and outreach; Experience working cooperatively and collegially to advance research and/or teaching programs with greatest efficiency and highest impact.

4) Professor of Practice: Clinical-track faculty position at the assistant professor level. The successful candidate will teach up to three core chemical engineering courses each semester. Possible courses include Unit Operations Lab; Process Design, Economics & Strategy; and Process Simulation & Product Engineering. In addition, the candidate will prepare and test equipment for laboratories with assistance from the department design engineer, machinist, and laboratory supervisor, and will be responsible for supervising graduate and undergraduate teaching assistants. Required: PhD in Chemical Engineering or equivalent discipline. Desired: Commitment to teaching excellence and embracing and promoting diversity, Experience working cooperatively and collegially to advance teaching programs with greatest efficiency and highest impact; Industrial experience or prior history collaborating with industry; Experience using chemical engineering computational tools; Experience using social media tools.

ADDITIONAL INFO:

University Overview: [The Ohio State University](#) prides itself on being a model 21st-century public, land grant, research, urban, community-engaged institution. Ohio State is a top-20 public university, enrolling over 60,000 students, and its [Ohio State Wexner Medical Center](#) is one of America's leading academic health centers and recently ranked No. 4 on Forbes' list of best U.S. employers for diversity. The Ohio State University is in Columbus, Ohio.

College Overview: The [College of Engineering](#) offers 14 undergraduate and 13 graduate programs in 12 departments or centers, as well as three undergraduate and four graduate degrees in the Knowlton School of Architecture, to approximately 10,000 students. The college has recently expanded its degree offerings with a B.S. in Engineering Technology available on the regional campuses of the university. The college is one of the largest in the field with 405 faculty. The college has 14 National Academy of Engineering members and numerous

members of societies and award recipients. In fiscal year 2020, the college had nearly \$138.5 million in externally sponsored research expenditures. Industry R&D expenditures for the College of Engineering in fiscal year 2020 totaled nearly \$44 million.

Department Overview: The [William G. Lowrie Department of Chemical and Biomolecular Engineering](#) is home to 24 tenured or tenure track faculty with research emphases in bioengineering, reaction engineering and catalysis, separations, colloids, molecular thermodynamics, polymers, nanomaterials, sustainability and the environment. We are housed in a state-of-the-art 225,000 ft² building dedicated to Chemical Engineering and the Chemical Sciences. Diversity and inclusion are core values in CBE. CBE acknowledges that varied human experiences and backgrounds enrich the community, and that by bringing a broader range of perspectives of all races, genders, and sexual identities to the field, diversity can advance science and engineering. CBE seeks candidates who can contribute to our welcoming climate of students, faculty and staff.

Columbus, Ohio: The Ohio State University is in Columbus, Ohio. As the nation's 14th largest city, Columbus invites and embraces cultural and economic diversity. The Columbus area offers a vibrant quality of life, beautiful green spaces, numerous recreational opportunities, affordable housing, and a low cost of living. Read more at (experiencecolumbus.com).

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution, a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC) and have an excellent partner in The Ohio State University Wexner Medical Center.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other bases under the law.

APPLICATION INSTRUCTIONS:

Visit cbe.osu.edu for information and application link. Please include a cover letter, curriculum vita, diversity statement (*describe experiences, current interests or activities, and/or future goals that promote a climate that values diversity and inclusion in one or more of the areas of scholarship, instruction and outreach*), statements of teaching and research interests, and names and contact information of three references (five references for the Full Professor position). Review of applications will begin immediately and will continue until the position is filled.