

Title: Assistant/Associate Professor (tenure track)
Department: Chemical & Biomolecular Engineering

The Chemical & Biomolecular Engineering Department at the University of Connecticut invites applications to fill a tenure-track faculty position at the assistant or associate professor level, with an expected start date of August 23, 2021.

The successful candidate will be expected to contribute to **research and scholarship** through extramural funding (in disciplines where applicable), high quality publications, impact as measured through citations, performances and exhibits (in disciplines where applicable), and national recognition as through honorific awards.

In the area of **teaching**, the successful candidate will share a deep commitment to effective instruction at the undergraduate and graduate levels, contribute to the development of innovative courses and mentorship of students in research, contribute to life-transformative educational experiences for students at all levels, as well as outreach and professional development.

Successful candidates will also be expected to **enhance inclusion** and broaden participation among members of under-represented groups; as demonstrated through their research, teaching, and/or public engagement, strengthen the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

In addition, candidates in the broader chemical and biomolecular engineering field whose scholarship and background is well-aligned with **entrepreneurship**, commercialization, and economic development will be particularly encouraged to apply for additional tenure track positions at all ranks. Such candidates, in addition to excellence in their field of expertise, must demonstrate a successful track record as a serial entrepreneur or technology innovator.

The research specialty of primary interest is in the area of energy and environment broadly interpreted, with research interests including, but not limited to: advanced energy materials, electrochemistry; processes and systems; sustainable combustion science & technology; energy storage, power management, fuels and fuel processing; renewable energy & resources including bioenergy/biofuels; life cycle and technoeconomic analysis of energy and environmental systems. Other topics in the broad area of energy are also welcome. The inclusion of societal impacts of research is strongly encouraged.

DUTIES AND RESPONSIBILITIES

- Develop and sustain an externally funded research program in the field of Chemical Engineering emphasizing but not limited to advanced energy materials, electrochemistry; processes and systems; combustion science & technology; energy storage and power management; fuels and fuel processing; renewable energy & resources; bioenergy/biofuels; life cycle analysis and technoeconomic analysis; environmental processes; greenhouse gas emissions; impact of energy processes on the humanity.
- Develop a national and international presence and reputation for excellence in research in Chemical Engineering and the specialty subfield(s) of interest as listed above.
- Teach undergraduate and graduate core curriculum courses and specialty courses in the Chemical & Biomolecular Engineering Department.
- Advise and mentor undergraduate and graduate students.

- Provide service and leadership to all units of the University of Connecticut, to external academic and scientific communities, and to the general public.
- Promote diversity, inclusion and equity among his/her peers and students

Minimum Qualifications: Candidates must have an earned Ph.D. in Chemical Engineering or a related field by the time of appointment; an established record of research with demonstrated potential for excellence in teaching commensurate with experience; and a commitment to promoting diversity and leadership through their academic and research programs. Candidates must also demonstrate a commitment to graduate education. Equivalent foreign degrees are acceptable.

Preferred Qualifications: Preferred candidates will possess an outstanding record of scholarship and research contributions commensurate with experience and with accomplishments that demonstrate the relevance of their research to the chemical engineering and/or energy field in general. A record of excellence in teaching; the ability to effectively communicate with students in both large and small audiences, and a record of public engagement are equally desirable. A record to promoting diversity and equity, as well as evidence of leadership and technology innovation are also equally desirable.

This is a full-time, 9-month, tenure track position with an anticipated start date of August 23, 2021. The successful candidate's primary academic appointment will be at the Storrs campus. Rank and salary will be commensurate with qualifications and experience.

This position will be filled subject to budgetary approval.

To apply, please go to <https://academicjobsonline.org/ajo/jobs/15480>.