



Assistant Professor – Chemical Engineering

Position Overview:

The Department of Chemical and Petroleum Engineering (CPE) at the University of Kansas (KU) invites applications for a full-time tenure track position at the Assistant Professor rank. We welcome applications from candidates with expertise in either experimental or computational research that will complement the department and university's current strengths in areas of energy & sustainable environmental technologies and/or biotechnology. Candidates who can strengthen existing research programs and centers in biomaterials, biotechnology, catalysis, energy and sustainability or process systems engineering are especially encouraged to apply.

Successful candidates must hold a Ph.D. degree in chemical engineering or a related discipline and demonstrate the potential to develop an independent research program. The successful candidate must also demonstrate a strong commitment to educate and mentor undergraduate and graduate students. The successful candidate will conduct and publish original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the University, nationally and internationally. The successful candidate must be eligible to work in the U.S. by the time of appointment.

The University of Kansas, School of Engineering (SoE) and the CPE Department value diversity, equity, inclusion and accessibility. In its continuing effort to enrich its academic environment and provide equal educational and employment opportunities, the university encourages applications from members of underrepresented groups. We therefore seek a diverse pool of applicants in terms of gender, race ethnicity, veteran status sexual orientation and disability, who are committed to nurturing an inclusive environment. In Spring 2019, the KU SoE was one of only 29 universities to receive an inaugural ASEE Diversity Recognition Award <https://diversityrecognition.asee.org/recognized-institutions/>.

About the University

Founded in 1865, the University of Kansas is the state's flagship university, an R-1 institution and one of just 66 invited members of the prestigious Association of American Universities (AAU). KU consistently earns high rankings for academics and recognition as a premier research university (engaging in \$275 million of externally funded research annually). KU has 21 programs ranked in the U.S. News & World Report top 25 among public

universities, including #1 rankings for graduate programs in public administration and special education. The University values global engagement with more than 150 programs of international study and cooperative research and offers more than 130 study abroad programs. Combined student enrollment for the Lawrence-Edwards and Medical Center (in Kansas City, Wichita, and Salina) campuses is 28,500 (19,000 undergraduate), with students drawn from 110 nations and all 50 states, 20.6% of KU students are members of minority groups was 23,958 representing all 50 states and 112 countries.

About Lawrence

The 1,000-acre main campus is in Lawrence, a community of 95,000 in hilly northeast Kansas that lies about 35 miles west of Kansas City and 20 miles east of Topeka, the state capitol. Lawrence has a lively downtown and a thriving arts and music scene, and its local government has enacted ordinances supporting equality for all members of its population. Lawrence also offers numerous sports and recreational opportunities, local shops, and a wide range of good restaurants.

Job Description

40% Teaching: Responsibilities include (a) teaching undergraduate/graduate core and elective courses in chemical engineering both in-person and online, (b) developing courses and participating in curriculum development, (c) mentoring of undergraduate and graduate students, and if possible, postdoctoral fellows, and (d) advising graduate students, including chairing doctoral dissertation committees.

40% Research: Responsibilities include (a) conducting and directing cutting-edge research in the areas mentioned above, (b) training and graduating Master's and PhD studies, serving as thesis/dissertation committee chair, (c) securing external funding to sustain an independent research program, (d) publishing in peer-reviewed journals, (e) presenting at professional conferences, (f) serving as a member of graduate thesis and dissertation committees, and (f) if possible, developing intellectual property. The position will enable participation in the education and training of students and postdoctoral researchers in the Department.

20% Service: Responsibilities include performing service for the Department, School, University, academic and research profession, and interacting effectively with students, faculty, and local, national and international community.

Required Qualifications

1. PhD in chemical, bioengineering or closely related field by start date of appointment.
2. A proven record or demonstrated high potential in conducting independent research with evidence of publications and other scholarly products.
3. Demonstrated (or high potential for) teaching excellence in a university setting including the ability to develop and teach online courses
4. Demonstrated ability to effectively teach and communicate with others.

Preferred Qualifications

1. Demonstrated ability to obtain external funding.
2. Prior postdoctoral or industry experience
3. Alignment with existing research strengths and programs

Contact Information to Applicants

Prajnaparamita Dhar, Professor and Director of Graduate Studies. [email: prajnadhar@ku.edu](mailto:prajnadhar@ku.edu)

Additional Candidate Instruction

A complete online application will include the following: (1) a letter of application, (2) curriculum vitae, (3) detailed teaching and research plans (each plan not exceeding 5 single-sided pages with 12 pt font), including

references), and (4) the names and contact information of at least three references.

In addition to the materials above, learning about each applicant's contribution and engagement in areas of diversity is an important part of KU's mission. As a result, applicants will be presented the following question at the time of application. The response must be within 4,000 characters or less.

- *Describe your experiences working with people from diverse backgrounds, and explain how those experiences reflect your commitments to diversity, equity, and inclusion.*

Apply online at <https://employment.ku.edu/assistant-professor-chemical-engineering/23679br>

Review of application materials will *begin November 21st, 2022* and will remain open until the position is filled.

Salary Range: Competitive and commensurate with qualifications & experience

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Director of the Office of Civil Rights & Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and Topeka campuses); Director, Equal Opportunity Office, Mail Stop 7004, 4330 Shawnee Mission Parkway, Fairway, KS 66205, 913-588-8011, 711 TTY (for the Wichita, Salina and Kansas City, Kansas medical center campuses).