Chemical Engineering: Assistant Professor

Lafayette, LA | req2114

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Position Title: Chemical Engineering: Assistant Professor

Department: 2410|Chemical Engineering

Responsibilities:

The University of Louisiana at Lafayette's Chemical Engineering Department invites applications and nominations for the 9-month tenure track position of Assistant Professor (Chemical Engineering, Cluster Hire in Bioengineering). A Tenure track faculty member for this position is expected to be an excellent teacher in the areas of reaction engineering and modeling of biosystems, including the application of process simulation packages and machine learning principles to biochemical processes. The selected candidate is expected to develop strong funded research programs in the broad area of Bioengineering. All faculty members participate in departmental, service, and undergraduate student advising activities. Candidates should have a robust academic record, who will be an active educator in their fields, serve as a mentor to students, work with colleagues to assess and improve curricula, conduct research and/or creative works in respective area of specialization, and demonstrate institutional citizenship through active engagement at the department, college, university, community, and professional levels.

BIOENGINEERING CLUSTER:

The University of Louisiana is rapidly building a national-level bioengineering program focused on research, education, workforce development, economic development, and outreach. The University has invested over $5M in bioengineering facilities in the last decade. The Department of Chemical Engineering established a Bio-Engineering Concentration in Fall 2021. Currently, it has the most students enrolled in a concentration in the College of Engineering. This growth is expected to continue as prospective students realize the importance of integrating biology, chemistry, physics, and engineering to develop materials, energy, remediation technologies, and chemical production processes that are safe, cost effective, and environmentally friendly. The new faculty member would contribute to the growth of the chemical engineering program by attracting students interested in bio-molecular engineering, biomedical engineering, pharmaceutical operations, and

medicine. She/He could work with some of the other bio-engineering focused faculty to develop integrative approaches to engineering (e.g., fluid mechanics, mass transfer, and chemical reactions) and biology for chemical engineers. In the undergraduate education of engineers who are interested in working at the interface of engineering and biology, students need to learn to integrate basic biological information with engineering design using chemical and molecular principles acquired over several courses.

ADMINISTRATIVE UNIT:

The Department of Chemical Engineering is one of six departments in the College of Engineering at the University of Louisiana at Lafayette. The department has a very strong ABET accredited undergraduate program and a growing graduate program. Annual research expenditures in the department average between $2M to $3M per year, with current external research projects of over $10M. The primary focus research areas are in bioengineering, renewable energy, environmental remediation, biomedical devices, catalysis, materials for energy applications, and electrochemical systems. The College of Engineering at the University of Louisiana at Lafayette has over 1600 students, as of fall 2022, and offers B.S., M.S., and Ph.D. degrees in all engineering departments.

The University is the largest in the University of Louisiana System with about 850 faculty members and over 19,000 students, including undergraduates, graduates, and non-degree seekers. The University is designated by the Carnegie Foundation, as an R1 University - "Research University with Very High Research Activity."

The mission of the University is to offer an exceptional education informed by diverse world views striving to develop innovative leaders who advance knowledge. The essential values of the University are: equity, integrity, intellectual curiosity, creativity, tradition, transparency, respect, collaboration, pluralism, and sustainability. Academic excellence is the objective of 68 undergraduate and 45 graduate certificates and degrees in the arts, sciences, and professional education. The Southern Association of Colleges and Schools Commission on Colleges accredits the University, which is a public doctoral research university with higher research activity.

The University is located in Lafayette, LA, an exciting community within Louisiana's beautiful Cajun Country. The community is highly technology-oriented and has a reputation of being a community in which people are prone to remain due to the high-quality lifestyle, pleasing climate, and the friendly nature of its people. Lafayette is located midway between New Orleans and Houston and is the heart of Louisiana's Acadian-Creole region. The city of over 130,000 is part of the Lafayette-Acadiana area, which has a total population of over 625,000 and is one of Louisiana's fastest-growing metropolitan areas. Lafayette serves as the energy, financial, retail, and medical center for South-Central Louisiana.

Qualifications:

QUALIFICATIONS:

A Ph.D. in Chemical Engineering or a closely related field is required, preferably with a B.S. in Chemical Engineering from an ABET accredited program. Teaching expertise in reaction systems linked to biological applications is required. The candidate should demonstrate ongoing intellectual competence and professional development. Successful candidates must be committed to working effectively with diverse student populations. Applicants are expected to describe their commitment to fostering a diverse educational environment through their research, teaching, and/or service activities.

APPLICATIONS:

Application must include a cover letter, curriculum vitae, research statement, teaching statement, and a list of three references. Preferred start date is August 2023. Applications submitted by March 22, 2023, will receive preferential

consideration. The review process will continue until the position is filled.

The University of Louisiana at Lafayette is dedicated to the goal of building a diverse faculty committed to teaching and working in a multicultural environment. Women, minorities, and individuals with disabilities are strongly encouraged to apply. The University of Louisiana at Lafayette does not discriminate on the basis of race, color, national origin, age, religion, sex, sexual orientation, or disability in admission to, access to, treatment in, or employment in its programs and activities as required by Title VI and Title VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Age Discrimination Act of 1975, the Equal Pay Act of 1963, Title IX of the Education Amendments of 1972, Executive Order 11246, Section 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and the 1990 Americans With Disabilities Act.

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The University of Louisiana at Lafayette is committed to the full inclusion of all qualified individuals.

General inquiries about posted vacancies should be directed to the hiring department. If you have any technical issues, trouble accessing your Career Site profile or completing the online application, please contact the Office of Human Resources at humanresources@louisiana.edu or (337) 482-6242.

If you require reasonable accommodation in completing this application, interviewing, completing any pre-employment testing, or otherwise participating in the employee selection process, please contact the EEO/ADA Coordinator in the Office of Human Resources at (337) 482-6258 or hrcompliance@louisiana.edu.

Information about the University is available on the University's web page at https://www.louisiana.edu

Additional information about our Academic areas can be found at https://louisiana.edu/about-us/offices/academic-affairs .

University of Louisiana at Lafayette Annual Security Report:

The University of Louisiana at Lafayette Annual Security Report is available. This report includes statistics from the previous three years concerning reported crime that occurred on campus, in certain off-campus buildings or property owned or controlled by the University of Louisiana at Lafayette campus. The report also includes institutional policies concerning campus security and other safety information. You may obtain a paper copy of this report by contacting the Police Department, 210 Hebrard Blvd, Lafayette, LA 70504, (337) 482-6447, or by accessing the following Web site:

https://police.louisiana.edu/sites/police/files/ASR_2021_Publish_2022.pdf