

Chemical and Biological Engineering - Professor University of Alabama

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Posted Oct. 7, 2025, set to expire Oct. 7, 2026

Job Title	Chemical and Biological Engineering - Professor
Department	Chemical and Biological Engineering https://che.eng.ua.edu/
Institution	University of Alabama Tuscaloosa, Alabama
Date Posted	Oct. 7, 2025
Application Deadline	Open until filled
Position Start Date	Aug. 16, 2026
Job Categories	Professor
Academic Field(s)	Chemical/Petroleum Biomedical Engineering & Bioengineering
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Job Description

The Department of Chemical and Biological Engineering (ChBE: <https://che.eng.ua.edu/>) and the College of Engineering (CoE: <https://eng.ua.edu/>) at The University of Alabama (UA: <https://ua.edu/>) invite applications for a position at the rank of Full Professor. Candidates with research interests across ALL domains relevant to chemical and biological engineering are encouraged to apply. Candidates with particular research emphasis and interests in bioengineering, biomedical engineering, or biomanufacturing are of particular interest for one or more of these positions and thus are strongly encouraged to apply.

Candidates with prestigious achievements in their field and exceptional national and international

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reputations will be eligible for consideration for significant endowment support through appointment as an Endowed Shelby Distinguished Professor (<https://provost.ua.edu/the-shelby-endowment-for-distinguished-faculty/>). These Endowed Shelby Distinguished Professor are one of the most prestigious honors bestowed upon faculty at The University of Alabama. Candidates wishing to be considered for such an appointment should indicate this in their cover letter.

Towards achieving excellence in all our efforts, the ChBE department and the College of Engineering seek to hire faculty that can contribute to both: (1) build upon existing strengths in the Department, College, and University and (2) expand the scope of research within the department, College, and UA as a whole.

Candidates with research interests across ALL domains relevant to chemical and biological engineering are encouraged to apply. Current research strengths within ChBE include, but are not limited to, bioengineering, membranes and membrane-based separations, battery materials and energy storage, electrochemical systems, catalysis and reaction engineering, and soft matter. To further broaden capabilities of the department, candidates with particular research emphasis and interests in bioengineering (e.g., computational, microbiome, environmental), biomedical engineering (e.g., immuno/bioengineering), and biomanufacturing (including bioprocess automation, sensing, and control) are of particular interest for one or more of these positions and are strongly encouraged to apply. To complement current research strengths in the department, candidates with demonstrated research focus on process optimization, supply chain, safety, and life cycle assessment are also sought and are encouraged to apply. Finally, the College and University benefit greatly from the existence of a large number of major research centers and institutes (e.g. the Alabama Water Institute: <https://awi.ua.edu/>; the Alabama Mobility and Power Center: <https://ati.ua.edu/tag/alabama-mobility-and-power-center/>; Alabama Materials Institute: <https://ami.ua.edu/>; UA Polymers and Soft Materials Research Center: <https://poly-sm.ua.edu/>); the UA High Performance Computing and Data Center, and to further strengthen the department's involvement in these activities and to leverage the extensive resources available through these organizations, candidates with research emphasis and interests in related fields including water modeling and technologies, materials for extreme environments, batteries and energy storage, and computational and experimental materials science research are sought and strongly encouraged to apply.

Minimum Qualifications

Earned Ph.D. in Chemical Engineering or a closely related discipline from an accredited institution. Demonstrated record of prior research work and a record of impactful scholarly publications in refereed journals, conference proceedings, and similarly impactful venues. Demonstrated interest and/or record in chemical engineering and/or bioengineering education and professional service in area(s) of specialization. Effective verbal and written communication skills. Show the potential to construct and

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sustain a quality research program. Exhibit the potential for excellent teaching at both the graduate and undergraduate levels.

Applicants must also meet all university criteria for appointment to the rank of Full Professor.

Preferred Qualifications

Have 10+ years of experience as a tenure-track/tenured faculty member at a leading peer R1 institution. Have a demonstrated record of high-quality research and scholarly publications that is recognized nationally and/or internationally. Significant record of scholarship in an engineering department with undergraduate and graduate degree programs. Exceptional communication and interpersonal skills.

Instructions and Required Materials for Application

Required application documents include a: (1) cover letter that includes both the department name and rank of position for which the candidate is applying, (2) a resume/curriculum vitae, (3) a 4 to 6 page statement of research interests and plans, (4) a one to two page statement of teaching interests and plans, and (5) the names and contact information for at least four references.

Review of applications will begin immediately. Applications are preferred on or before October 20, 2025 to receive fullest consideration, but the search will continue until the positions are filled. A position start date of August 16, 2026 would be typical, but flexibility with respect to start date is possible. Questions about the position can be directed to chbeseach@eng.ua.edu.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. Candidates from under-represented groups are encouraged to apply.

EEO/AA Policy

Prior to hiring, the final candidate(s) must successfully pass a pre-employment background investigation and information obtained from social media and other internet sources. A prior conviction reported as a result of the background investigation DOES NOT automatically disqualify a candidate from consideration for this position. A candidate with a prior conviction or negative behavioral red flags will receive an individualized review of the prior conviction or negative behavioral red flags before a

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hiring decision is made.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability or protected veteran status and will not be discriminated against because of their protected status. Applicants to and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more. "EEO is the Law"

<https://www.eeoc.gov/overview>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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