

# Texas A&M Engineering

## Tenure Track Faculty Position Advertisement

### Position Title

Assistant or Associate Professor

### Texas A&M – College of Engineering

Texas A&M is located in the twin cities of Bryan and College Station, with a population of more than 175,000, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 55,000 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$820 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$5 billion, the university ranks fourth among U.S. public universities and 10th overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit <http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life>. With over 400 tenured/tenure-track faculty members and more than 13,900 students, the Dwight Look College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by *U.S. News & World Report*, with seven of the college's 14 departments ranked in the Top 10. The Look College is also ranked 10th in the Academic Ranking of World Universities compiled by Shanghai Jiao Tong University. The American Society for Engineering Education ranks the Look College second in research expenditures.

### Department

CHEMICAL ENGINEERING

### Department Overview

The department has a 205,000-ft<sup>2</sup> facility in the Jack E. Brown Chemical Engineering Building, with another 16,000-ft<sup>2</sup> facility in the Giesecke Engineering Research Building shared with the Texas A&M Energy Institute. The department has 30 full-time tenure/tenure-track faculty; 7 lecturers, senior lecturers, and professors of practice; 230 graduate students; and over \$27 million in endowments. In FY2016, the department was awarded over \$15.6M of new research grants. In the 2015 US News and World Report ranking of the undergraduate programs, the Artie McFerrin Department of Chemical Engineering at Texas A & M University was ranked 14<sup>th</sup> among the public schools. The Department was ranked 16<sup>th</sup> among the public schools for its graduate program.

The Texas A&M Energy Institute engages undergraduate and graduate students, postdoctoral associates, research staff, and faculty members toward the study and development of innovative technologies and policies for energy production and energy conservation. With over 240 faculty affiliates from eight colleges/schools, more than 20 departments, and three branch campuses, along with a unique community of more than 400 doctoral students and postdoctoral fellows in the Texas A&M Energy Research Society, cutting-edge solutions are being realized through true interdisciplinary collaborations that will address the complexity and challenges of the world's energy future.

**Pre-Hire ID: (this is assigned in the DOF Workflow) 4749**

### Job Summary

The Artie McFerrin Department of Chemical Engineering at Texas A&M University invites applications for multiple tenure-track or tenured faculty positions at the assistant or associate professor level with expertise in multi-scale systems engineering for energy and the environment; mathematical modeling and optimization including global optimization methods; process design and operations (scheduling, planning, and supply chain); big data mining, analysis and optimization; model-based control and advanced algorithms. The successful applicants will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. For associate professors, candidates with proven and sustained funding records, and exceptional academic credentials are encouraged to apply. Successful applicants will become affiliated faculty members of the Texas A&M Energy Institute (<http://energy.tamu.edu>). Applicants should consult the department's website to review our academic and research programs (<http://engineering.tamu.edu/chemical>).

**Required Education and Experience**

Applicants must have an earned doctorate in Chemical Engineering or a closely related engineering or science discipline.

**Other Requirements**

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of four references (including postal addresses, phone numbers and email addresses) by applying for this specific position at [www.tamengineeringjobs.com](http://www.tamengineeringjobs.com). Full consideration will be given to applications received by December 1, 2016. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin Fall 2017.

**EEOC Statement**

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.