

Texas Tech University Edward J. Whitacre College of Engineering
Department of Mechanical Engineering
Tenure-Track Faculty Positions in Aerospace and Robotics

DESCRIPTION

The DEPARTMENT OF MECHANICAL ENGINEERING in the Edward J. Whitacre College of Engineering at Texas Tech University (TTU) invites applications for multiple faculty positions beginning in the Fall of 2026. The Department is developing aerospace engineering and robotics programs. Preference will be given to applicants whose research focus is on aerospace engineering and robotics and align with the College of Engineering's major research thrusts. The areas of interest include (1) hypersonic propulsion and high-speed flows, (2) astronautics; space flight; flight dynamics & controls, and (3) robotics. This search is for all ranks of faculty, i.e., Assistant Professor/Associate Professor/Full Professor.

EXPECTATIONS

The successful candidates will be expected to develop an externally funded, independent research program and collaborate with TTU faculty across various academic units. Candidates who have very strong records of scholarship supported by extramural funding, and who have the proven capacity or clear potential to bring externally sponsored research to TTU are encouraged to apply. Teaching courses at both graduate and undergraduate levels is essential. Experience working with diverse student populations and first-generation students is highly desirable. Professional service as well as service to the department, college, and the university is expected.

QUALIFICATIONS

Applicants must hold a doctoral degree (or equivalent degree) in aerospace engineering, mechanical engineering or a closely related discipline by the date of appointment and provide a research statement relevant to the proposed research areas. The expected starting date is August 2026, although an earlier start date is possible. Applicants should submit a cover letter, a curriculum vitae (CV), a statement of research and teaching interests, and a list of at least three references. Review of applications will begin on September 15, 2025 and continue until the position is officially closed on the TTU job links. Electronic submission of application materials via <http://www.depts.ttu.edu/hr/workattexastech/> is required. Search postings for requisition #41240BR.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering awarded 295 undergraduate, 40 MS and 15 PhD degrees in AY 2023-24. Department enrollment includes 1514 undergraduate students and 144 graduate students. Among the 33 tenure-track, tenured, research professors and professors of practice, roughly 30% are women and minorities. In recent years, department faculty have been awarded nearly 4 million dollars in externally sponsored research, of which 70% were from federal sources. Faculty are known for cited work on bio-inspired devices, computational mechanics, vortex dynamics, turbulence, microfluidics,

nanoimprinting, physiological microstructure and translational nutrition, cardiovascular dynamics, nanomedicine, energetic and biological materials, and robust control methods. Department faculty recognitions and awards include membership in the US National Academy of Engineering and foreign Academies of Engineering and the Sciences, recognitions as Thomson-Reuters highly cited scholars, PECASE, Young Investigator DOD awards, and NSF CAREER awards. For more information about the mechanical engineering department, please visit <http://www.depts.ttu.edu/me/>.

The State of Texas has the resources and desire to become a leader in the disciplines of engineering, sciences, and knowledge-based careers in the nation and world. Texas Tech University is an R1 research university and is designated as a Hispanic-Serving Institution.

Interested applicants should submit their application electronically at the links below:

Mechanical Engineering Faculty Search – Requisition #41240BR

<https://sjobs.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?partnerid=25898&siteid=5637&PageType=JobDetails&jobid=891654>

For additional information regarding TTU or the Department of Mechanical Engineering and this position, please contact Professor Changdong Yeo, Changdong.Yeo@ttu.edu.

If you should need assistance with the application process, please contact our HR, Talent Acquisition office at hrs.recruiting@ttu.edu or 806-742-3851.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information or status as a protected veteran.

