DEPARTMENT OF
CHEMICAL ENGINEERING

TEXAS TECH
Whitacre College of Engineering

Open Faculty Position with Focus on High-performance Materials for Extreme Conditions

The Department of Chemical Engineering in the Whitacre College of Engineering at Texas Tech University invites applications for a full-time, 9-month tenure-track Assistant Professor position to begin Fall 2027. There is a strong preference for candidates who have expertise in experimental research in the fields of novel materials, including advanced functional materials for hypersonic applications, lightweight/high-performance polymer nanocomposite materials, high entropy materials, meta materials, and materials for extreme conditions such as those encountered in nuclear, aerospace, deep sea, or subsurface applications. Outstanding applicants with expertise besides these preferred areas of interest may be considered.

Applicants must have a Ph.D. in Chemical Engineering, Materials Science & Engineering, or a closely related discipline, a track record of outstanding research, a commitment to teaching and student mentoring, and research experience and/or training in the field of advanced materials. Applicants with postdoctoral experience will be given preference, exceptional candidates without postdoctoral experience may be considered. Preference will also be given to candidates with teaching or teaching assistant experience. Successful candidates will be expected to develop nationally and internationally recognized and externally funded research program, form departmental and multidisciplinary collaborations, foster partnerships within and outside Texas Tech University as well as industry, teach core undergraduate and graduate courses in chemical engineering, engage in strategic outreach activities, and perform internal and professional service.

Candidates are sought who share Whitacre College of Engineering's vision of excelling as a global leader in engineering education and research. The Chemical Engineering Department's undergraduate program has a strong emphasis on hands-on training; the highlights of the program include the newly equipped Valero Experiential Learning Laboratory for Unit Operations and the Morrow Energy Pilot Plant. Current research efforts in the department are focused in the areas of bioengineering and nanomedicine, energy and sustainability, soft matter, computational modeling and data science, and electrochemical engineering.

SCAN TO APPLY

Applications can be submitted at: http://www.texastech.edu/careers/ ; use 46386BR (Assistant Professor - Chemical Engineering).

Please provide:

1. Cover letter
2. Detailed CV
3. Research statement
4. Teaching statement
5. List of references

Applications will be accepted until:

December 01, 2026.