Assistant/Associate/Full Professor - Mechanical Engineering
University of Texas Rio Grande Valley

Job Title	Assistant/Associate/Full Professor - Mechanical Engineering
Department	College of Engineering & Computer Science
Institution	University of Texas Rio Grande Valley Edinburg, Texas
Date Posted	Dec. 20, 2024
Application Deadline	05/01/2025
Position Start Date	Fall 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Mechanical Engineering Manufacturing & Quality Engineering
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Job Description	

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Assistant/Associate/Full Professor - Mechanical Engineering

Job Class Code: 10031
FLSA: Exempt
Posting Number: FRGV1765
Location:

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Rio Grande Valley
Division/Organization: Provost - Academic Affairs
Appointment Period for Non-Tenure Position:
Tenure Status: Tenure Track
FTE: 1.0

Scope of Job:
We seek applicants who are dedicated to serving **The University of Texas Rio Grande Valley's** student body as an Assistant/Associate/Full Professor of Mechanical Engineering beginning in the 2025-2026 academic year in the broad areas of materials and advanced manufacturing. Successful candidates will contribute to the following research centers in the College of Engineering & Computer Science: The Center for Advanced Manufacturing Innovation and Cyber Systems (CAMICS) and/or the Center for Nanotechnology. The college hosts an interdisciplinary Ph.D. program in materials science and engineering, and a Ph.D. program in computer science with interdisciplinary applications. UTRGV faculty are expected to demonstrate a strong commitment to student success, contribute to the advancement of the university, college, and program missions, and promote access to postsecondary education for a diverse student body at UTRGV, a leading Hispanic-Serving Institution and emerging research university.

About UTRGV: UTRGV serves the Rio Grande Valley and beyond via an innovative and unique multicultural education dedicated to student access and success. By championing leading research, healthcare, and application of university discoveries, we support sustainable development, community engagement, and well-being. The University of Texas Rio Grande Valley (UTRGV) is committed to building and sustaining a highly qualified and talented faculty to pursue excellence in everything that we do, including teaching, research, and service.Drawing on our unique identity as the leading Hispanic-Serving Institution in a bilingual and bicultural environment, UTRGV will promote student access and success by building from strength in education and creating a vibrant campus experience. By 2027, we will accelerate transformation in the Rio Grande Valley and beyond by driving meaningful advancements in research and creative works, expanding access to high-quality and affordable healthcare, and fostering authentic community engagement and integration. UTRGV is a distributed campus, one university spanning four counties and multiple locations. Our purpose is to be a university for the entire Rio Grande Valley and beyond. Over 91% of the students enrolled at UTRGV identify as Hispanic, making UTRGV one of the top 3 universities with the highest percentage of Hispanic students. For additional information, please visit **UTRGV website**.

College Background: The College of Engineering and Computer Science at the University of Texas Rio Grande Valley (UTRGV) hosts an interdisciplinary Ph.D. program in materials science and engineering, and a Ph.D. program in computer science with interdisciplinary applications. The research

centers in the college include the Center for Advanced Manufacturing Innovation and Cyber Systems (CAMICS), the Center for Nanotechnology, the Center for Aerospace Research, Industrial Assessment Center, the NSF Center for Multidisciplinary Research Excellence in Cyber-Physical Infrastructure Systems (MECIS), and the University Transportation Center for Railway Safety (UTCRS). For further information regarding the College, please visit our websites at **https://www.utrgv.edu/cecs/**.

Department Background: The Department of Mechanical Engineering at UTRGV has an enrollment of almost 1200 undergraduate and 100 graduate students. The Department offers an ABET- accredited Bachelor of Science, Master of Science degree in Mechanical Engineering, Master of Science degree in Biomedical Engineering as well as a PhD degree in Material Science & Engineering. For further information regarding UTRGV and the Mechanical Engineering Department, please visit our websites at **https://www.utrgv.edu/mece/**.

Minimum Qualifications:
Applicants must hold a Ph.D. in Mechanical Engineering or a related field from an accredited university (at least conferred before the start date of September 1, 2025).Candidates at the Assistant/Associate/Full Professor level will be considered based on demonstrated potential to enhance the teaching and research capabilities of the Ph.D. Program of Material Science and Engineering and potential to contribute to the Center for Advanced Manufacturing Innovation and Cyber Systems (CAMICS) and/or the Center for Nanotechnology.Assistant Professor applicants must have demonstrated evidence of leadership, skill in interdisciplinary research and collaboration along with the potential to develop (or already developed) an outstanding research program and high-profile publications as well as a successful record of extramural funding.

Additional qualifications Associate Professor rank: a) must currently hold the rank of Associate Professor or be eligible for promotion to Associate Professor at their current institution, b) evidence of research and scholarly accomplishments in materials science/advanced manufacturing or a closely related field, and c) demonstrated success in securing funding, mentoring graduate students, and engaging in service.Additional qualifications Full Professor rank:a) currently hold the rank of Professor or six or more years of experience at the rank of Associate Professor or an equivalent role, and b) distinguished record of research achievements and academic leadership in materials science/advanced manufacturing or related fields. Note: Full Professors will be expected to mentor junior faculty. They will also be eligible to serve as the Ph.D. Program Director and to be considered for Endowed Professorships.

Discipline Specific Required Qualifications:
Applicants must also have a demonstrated ability (or a well-designed plan) to develop and maintain a funded research program and to lead multidisciplinary collaborative projects. The successful candidate

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will demonstrate having (or potential to) achieved excellence and balance in teaching, research and service, collaboration with faculty across disciplines and the ability to involve undergraduate students as well as graduate students in research activities.

Preferred Qualification:
The highest consideration will be given to applicants who have expertise in the Materials and Advanced Manufacturing areas.

Salary: Commensurate with Qualifications and Experience
License or Certification Required?: No
Number of Vacancies: 1
Desired Start Date: 09/01/2025

EEO Statement:
It is the policy of The University of Texas Rio Grande Valley to promote and ensure equal employment opportunities for all individuals without regard to race, color, national origin, sex, age, religion, disability, sexual orientation, gender identity or expression, genetic information or protected veteran status. In accordance with the requirements of Title VII of the Civil Rights Act of 1964, the Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, as amended, our University is committed to comply with all government requirements and ensures non-discrimination in its education programs and activities, including employment. We encourage women, minorities and differently abled persons to apply for employment positions of interest.

Open Date: 11/01/2024

Special Instructions to Applicants:
All applications must be submitted via the UTRGV application portal at **http://careers.utrgv.edu**. Complete all sections on the application. If you are applying for the first time, please complete all biographical information including address, email and phone number. You may update this at any time by selecting to edit your profile in the application. Incomplete applications will not be considered. For priority consideration, applications must be received by January 1, 2025. Applications will continue to be reviewed until positions are filled.

Security sensitive: All UTRGV employees are required to have a criminal background check (CBC). CBCs will be conducted for all candidates invited for an on-campus interview.

Additional Information:

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UTRGV is a distributed institution. As such and as assigned, the position may require presence at multiple locations throughout the Rio Grande Valley. Work is performed primarily in a general office environment. This position is security sensitive and thereby subject to the provisions of the Texas Education Code 51.215. The retirement plan for this position is Teacher Retirement System of Texas (TRS), subject to the position being at least 20 hours per week and at least 135 days in length. This position has the option to elect the Optional Retirement Program (ORP) instead of TRS, subject to the position being 40 hours per week and at least 135 days in length.

Please Note:
Texas law requires faculty members whose primary language is not English to demonstrate proficiency in English as determined by a satisfactory paper-based test score of 500 (computer-based of 173 or internet-based of 61) on the Test of English as a Foreign Language (TOEFL) or a satisfactory test score of 6.0 on the International English Language Testing System (IELTS).
Incomplete applications will not be considered. All positions are subject to budget approval.

To apply, visit https://careers.utrgv.edu/postings/45546

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Contact Information

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

Contact

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University of Texas Rio Grande Valley

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