



**The University of Texas at El Paso
College of Science
Department of Geological Sciences
Assistant Professor of Geological Sciences**

Position Description: The Department of Geological Sciences invites applications for a tenure-track, Assistant Professor position in Physical Geography, beginning August 2020. Research interests may be in any area of Physical Geography. We are most interested in applicants whose expertise complements our existing strengths in earth system science, human/environment interactions, land use/land cover change, hydrology, isotope geoscience, and planetary science. Applicants must have demonstrated experience in application of geographic information systems, including, but not limited to: remote sensing; unmanned aerial systems; spatial analysis and modeling; or any other geographic data science technique. The candidate will be expected to attract research funding from external sources. The successful candidate will teach an introductory course in Physical Geography and upper division and/or graduate classes in topics agreed upon with the Department Chair. Graduate courses that are relevant to the Department's Graduate Certificate in Geospatial Information Science and Technology (<http://science.utep.edu/GIST>), which attracts students from across campus, are especially desired. In addition to advising M.S. and Ph.D. students in the Department of Geological Sciences, the successful candidate will have the opportunity to participate in the interdisciplinary Environmental Science and Engineering and Computational Science Ph.D. programs, as well as a new Data Science Ph.D. program. Salary for this Assistant Professor will be commensurate with experience.

The Department: The Department of Geological Sciences at UTEP is a vibrant group of 23 faculty representing a wide variety of geology, geophysics, hydrology, environmental science, and geography expertise. The degrees the Department offers include the B.S., B.A., and M.S. in Geological Sciences, the B.S. and M.S. in Environmental Science, the B.S. and M.S. in Geophysics, and a minor in Geography. Our Ph.D. in Geological Sciences includes students with interests in any of these subdisciplines. We also support student training in cross-campus interdisciplinary Ph.D. programs including the Environmental Science and Engineering, Computational Science, and Data Science Ph.D. programs and collaborate frequently with human geographers and other faculty in the College of Liberal Arts. The Department research portfolio addresses local to global challenges in the environment and natural resources fields while taking advantage of our regional geographic setting for research and education. Our integrative and collaborative efforts have resulted in research expenditures in excess of \$10M over the last five years. Geospatial research has been identified as a key research theme in the Department (<https://www.utep.edu/science/geology/research-themes/geospatial-research.html>).

The Department of Geological Sciences occupies an attractive, 90,000-sq. ft. building containing offices, laboratories, and classrooms. The Department has a research computing lab with high-end workstations and extensive computational and software resources including all of the major GIS and remote sensing software, as well as a 19-seat computing training lab. More information about the activities and facilities in the Department can be found at <http://science.utep.edu/geology/>. In addition, we collaborated with faculty in Sociology in the design and development of the Socio-Environmental Geospatial Analysis (SEGA) lab, which houses state-of-the-art equipment for geospatial data analysis and visualization and an additional 19-seat training lab. The collaborative research environment at UTEP affords access to a variety of analytical equipment in the Departments of Metallurgy and Materials Science, Chemistry, and Biological Sciences and the Nanomaterials Integration Lab. Interactions with the Center for

Environmental Resource Management and other multidisciplinary research centers are encouraged. A new building dedicated to interdisciplinary research is scheduled to open in 2020.

About UTEP and El Paso: The University of Texas at El Paso is a national and international research university committed to access and excellence. A leader among Hispanic-serving institutions, UTEP enrolls over 25,000 students and is the only doctoral research university in the nation with a majority Mexican-American student body. UTEP is designated by the Carnegie Foundation as an R1 university and is recognized as “Community Engaged.” UTEP invests \$91 million in research annually, and offers 170 bachelor’s, master’s and doctoral degree programs in 10 colleges and schools. The University maintains an operating budget of \$450 million and employs approximately 4,000 people. It has one of the lowest out-of-pocket costs of any research university in the U.S., underscoring its commitment to make education accessible to all. UTEP faculty have been nationally recognized for their commitment to student success, teaching, research, and scholarship.

As a center for intellectual capital, UTEP has awarded more than 133,000 degrees since its founding in 1914 and is one of the major economic engines in the region. UTEP offers exciting programs that are open to the public, including: Division I athletics; award-winning theater, dance, and music; the internationally acclaimed Stanlee and Gerald Rubin Center for the Visual Arts; the Centennial Museum and Desert Gardens; and continuing and lifelong educational opportunities. UTEP’s award-winning, sustainably designed campus landscape and unique Bhutanese architecture create an energizing and tranquil oasis set against the backdrop of the Franklin Mountains in the Chihuahuan Desert.

UTEP is located along the U.S.–Mexico border in one of the world’s largest binational communities. El Paso County is a highly livable, bicultural community of almost 700,000 residents, adjacent to Ciudad Juárez, Chihuahua, Mexico. These two cities, separated by the Rio Grande River, have a combined population of more than 2 million people. El Paso offers affordable homes and attractive neighborhoods. It consistently ranks among the safest cities in the United States. Embraced by mountains on three sides, El Paso experiences more than 300 days of sunshine annually and a dry climate, making it possible to enjoy outdoor activities year-round. The city of El Paso is adjacent to both the state of New Mexico and the country of Mexico, making it a leading area for cultural diversity and border research.

Required Qualifications: The Department of Geological Sciences is hiring a faculty member with expertise in Physical Geography and geographic information technologies who is capable of teaching at the undergraduate and graduate levels, conducting fundamental research, building an active research portfolio, publishing in peer-reviewed journals, and mentoring students at all levels. A Ph.D. in Geography or a closely related field at the time of appointment is required.

Preferred Qualifications: Candidates with strong skills in geospatial data science and the capacity to engage in the interdisciplinary Computational and Data Science programs are encouraged to apply. We would especially be interested in applicants who have the capacity to teach geodatabase design and management, and programming in the context of geospatial research applications in science. A track record of peer-reviewed publications, attainment of research funding, and teaching experience would be viewed favorably. Demonstrated interdisciplinary research collaborations are valued as well.

Application Procedures: Review of applications will begin on November 15, 2019, and applications will continue to be reviewed until the position is filled.

Applications must submit the following:

- (1) letter of interest;
- (2) curriculum vitae;
- (3) description of research interests
- (4) description of teaching interests;
- (5) description of how the applicant would approach broadening participation of underrepresented groups in the geosciences; and
- (6) complete contact information for at least three references.

To apply, please visit www.utep.edu/employment

Hiring decisions are based upon budget approval.

In keeping with its Access and Excellence mission, the University of Texas at El Paso is committed to an open, diverse, and inclusive learning and working environment that honors the talents, respects the differences, and nurtures the growth and development of all.

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, sexual orientation or gender identity in employment or the provision of services