

**Director of Laboratory Operations, Department of Geosciences, Texas Tech University
TTU Research Scientist – 31116BR**

The Department of Geosciences at Texas Tech University seeks a research scientist to direct day-to-day operations of its multi-instrument analytical facilities. The Department hosts equipment that includes a laser-ablation inductively coupled plasma (ICP) mass spectrometer and an ICP optical emission spectrometer, X-ray diffraction and fluorescence spectrometers and a full suite of sample preparation facilities.

Responsibilities that the successful applicant will be expected to manage include:

- Supervising and supporting use of all facilities and instrumentation by faculty, students, and researchers from within the Texas Tech System and external users.
- Provide training to laboratory users in the safe operation of instruments and maintaining a record of laboratory procedures including required safety documentation and protocols.
- The successful applicant will be appointed Department Safety Officer which includes participation in university level safety committees.
- Participate in the development and teaching of graduate-level courses in the Geoscience program.
- Work with faculty and the department to meet long-term scientific and financial goals including the submission of funding proposals to upgrade, replace or expand facilities.
- Lead development of new techniques such as trace element mineral mapping.
- Support Texas Tech's commitment to diversity, equity and inclusion.
- Direct involvement of set-up of instrument and sample preparation laboratories in the new Academic Sciences Building currently under construction.

Required Qualifications:

- Minimum of a MS in the Geosciences or related subject.
- Demonstrated experience using one or more of the analytical methods offered by the laboratories.
- Experience with one or more of the sample preparation techniques used in the laboratories.

Preferred Qualifications:

- 3 years' experience in documented laboratory and instrument use.
- Interest in water and soil analysis i.e. general solution analysis using ICP, ICP-MS, IC, AA.

Other information and opportunities:

- Funding will be provided to support professional development, workshop and conference attendance.
- Training in new techniques will be provided internally or by vendor approved application engineers.
- This is a 12-month full-time position
- Expectation to collaborate and/or lead a research program, including the pursuit of external funding opportunities.

The Department of Geosciences at Texas Tech University offers B.S., B.A., M.S. and Ph.D. programs in Atmospheric Science, Geology (with concentrations in Geophysics and Environmental Sciences), and Geography, and offers a Graduate Certificate in GIST. *The University is a Carnegie Tier 1 Minority (Hispanic) Serving Institution (MSI), and we seek candidates who have an ongoing commitment to serving our diverse student population.* Applicants should demonstrate experience or potential for mentoring and teaching minoritized students.

There are opportunities for expanding the user-base of the laboratories through collaboration the Water Resources Center, Health Science Center, Environmental Engineering, USGS Water Science Center, and, the Departments of Environmental Toxicology, Plant and Soil Sciences and Biological Sciences.

A complete application package will include **(a) letter of application**, **(b) curriculum vitae**, and **(c) three equally important statements** (up to 2 pages each) that describe: 1) practical experience with analytical techniques including technique development, and, project management; 2) experience in teaching and mentoring; and 3) a description of ongoing and potential for future contributions to **diversity, equity and inclusion** including professional service that may foster and advance DEI goals in our communities.

These documents may be uploaded at <http://www.texastech.edu/careers/> using the **BR** requisition numbers **31116BR** or via this quick link <https://bit.ly/3EeXEYp>. Questions should be emailed Dr. Callum Hetherington (Chair, Department of Geosciences, callum.hetherington@ttu.edu). As an Equal Employment Opportunity Affirmative Action employer, Texas Tech University is dedicated to the goal of building a diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples.

For full consideration of your application, completed applications should be submitted by December 1, 2022. Applications will be continually evaluated until the position is filled.