

Sul Ross State University Position Description

Official Title: Analytical Lab Technician **Salary Group:** Classified (14) **Job Code:** 5251

Summary

Function: The successful applicant will serve as the Analytical Lab Technician II for a joint Sul Ross University–San Antonio College project to increase undergraduate student success in STEM.

Scope:

Duties

Essential: Primary responsibilities will include, but not be limited to: acquisition, maintenance, operation and recordkeeping for SEM (JEOL), XRF, XRD, AAS, Dionex and C/N analytical instruments, and the incorporation of this technology (hardware and software) in SRSU labs and instructional settings. Responsibilities will include sample prep, instrument operation, acquiring training in methods and operation, instruction of others, record keeping and working with students and faculty on applied research projects, and administrative support of the Analytical labs on the SRSU campus (including but not limited to Warnock Science Building and the Turner Range Animal Science Building. The selected candidate will serve as the University's Radiation Control Officer. The successful candidate must be willing to travel and participate in training provided to facilitate achievement of project goals and objectives. The position will report to the Adelante Tejas Project Director during the funded grant period. Responsible for personal safety and the safety of others; must exercise due caution and practice safe work habits at all times.

Non-Essential:

Supervision

Received:

Given:

Education

Required: AS or relevant technical certification.

Preferred: Post graduate or experience at the doctoral level in scientific analytical laboratory methods.

Experience

Required: Experience in microanalysis and analytical laboratory methods, instrument operation, equipment maintenance, recordkeeping, instruction and research; Strong computer skills and must be competent, willing and able to work directly with students and faculty engaged in applied research.

Preferred:

Equipment/Skills

Required: Knowledge of the technical support functions for maintenance and use of analytical instruments and procedures relevant to the use of the following

- Scanning Electron Microscope (SEM)
- X-ray fluorescence (XRF)
- X-ray diffraction (XRD)

- Atomic absorption (AAS)
- Anion analysis
- Dry Combustion C/N Analysis
- Microkjeldal Analysis

Preferred:

Working Conditions

Usual: Position is Security Sensitive.

Special:

Any qualifications to be considered in lieu of stated minimums require the prior approval of the Human Resources Director.

Date revised: May, 2012