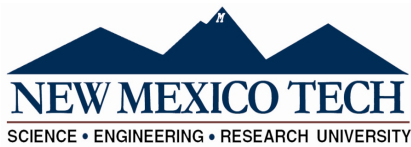


Posted: August 15, 2025



POSITION ANNOUNCEMENT

TITLE: TECHNOLOGIST/ MICROSCOPIST

DEPT: MATERIALS ENGINEERING

REG ☒

TEMP ☐

FULL TIME ☒

PART TIME ☐

STARTING RATE or SALARY RANGE \$67,500

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: Concurrent*

CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB SUMMARY:

The fundamental purpose of the MTLT Technologist/Microscopist is to train students and assist researchers in their (electron, light) microscopy and other materials and surface analysis needs. The position is charged with keeping multiple laboratory instruments running, and the cost center in good financial order. This person also teaches the upper level Scanning Electron Microscopy course and lab (3 credit hours total), once per year.

JOB FUNCTIONS:

Maintain (good operating condition) microscopes including scanning electron microscopes (SEM) and light microscopes, and other surface analysis and metrology instrumentation. Train research staff and students on operation of microscopes, and/or provide microscopy services. Advertise and provide microscopy services to external users. Keep logbooks, do scheduling and accounting for the MTLT Microscopy and Characterization cost center. Teach the MTLT 489 and L, SEM Course. Assistance in maintenance and organization of other MTLT equipment/instrumentation as needed. Report to supervisor.

REQUIRED QUALIFICATIONS:

Master's Degree in Materials/metallurgical Science & Engineering, Chemical or Mineral Engineering, Geological, Biological Sciences, Applied Physics, or related. Theoretical and functional knowledge and operation of Electron microscopes. Functional knowledge and operation of light microscopes. Microscopy sample preparation. Chemistry and structure of materials/minerals. Organizational, communication skills. Instruction. Basic skill with hand and some power tools. Ability to read simple electrical schematics and circuit diagrams.

DESIRED QUALIFICATIONS:

Ph.D. or other doctorate level equivalent in Materials/metallurgical Science & Engineering, Chemical/Mineral Engineering, Geological, Biological Sciences, Applied Physics, or related.

LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	F
15 - 30 pounds	O
30 - 50 pounds	O
50 - 100 pounds	O
100 + pounds	N

PHYSICAL DEMANDS:

Standing 10%	Sitting 50%	Walking 5%	Pulling 5%
Pushing 5%	Lifting 10%	Stooping 5%	Kneeling 5%
Crawling 1	Climbing 2%	Reaching 5%	Other 10%

Apply to: nmtjobapps@npe.nmt.edu