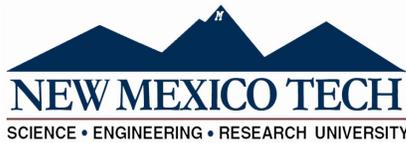


**Posted:** February 16, 2023



## POSITION ANNOUNCEMENT

**TITLE:** STAFF SCIENTIST/SEISMOMETER ANALYST      **DEPT:** IRIS PASSCAL

**REG**       **TEMP**       **FULL TIME**       **PART TIME**

**STARTING RATE or SALARY RANGE** \$55,000-\$68,000

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:** February 24, 2023\* 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 Seismometer Analyst is responsible for testing, analyzing and monitoring the health of the sensor inventory operated by PASSCAL. This effort includes quality assurance testing of broadband, intermediate, and short-period seismometers; developing test procedures and archiving of test data in support of seismometer testing; maintaining real-time data capture of seismic pier data; evaluating new sensors to consider as additions to the inventory; analyzing inventory maintenance records for trends in instrument degradation; and providing expert sensor advice to facility users.

### JOB FUNCTIONS:

Pier testing of broadband and intermediate seismometers.	25%
Analysis and archiving of sensor test data.	45%
Maintenance of real-time data capture.	5%
Evaluation of new equipment.	5%
User support including troubleshooting sensor data from the field and fieldwork.	5%
Analysis of sensor maintenance history.	5%
Maintenance and development of analysis tools.	5%
Produce and maintain documentation of standard operating procedures; test plans and test results; maintenance analysis; quarterly report on sensor testing, evaluation and inventory status.	5%

### REQUIRED QUALIFICATIONS:

Master's degree in Seismology or related field or 5 Years Direct Applicable Experience. Seismology. Time-series analysis. Seismology data formats. Scripting languages.

### DESIRED QUALIFICATIONS:

SeisComp3 and/or Antelope.

### LIFTING REQUIREMENTS:

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

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

**PHYSICAL DEMANDS:**

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

Apply to: [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu)