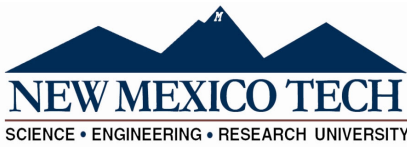


**Posted:** August 8, 2023



## POSITION ANNOUNCEMENT

**TITLE:** MANAGER, NMT SEISMOLOGICAL OBSERVATORY

**DEPT:** BUREAU OF GEOLOGY

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE** \$70,720-\$85,571

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:** 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:

Manage and maintain a seismic network of approximately 25 stations throughout the state of New Mexico, including field equipment, networking components, computer processing systems, and permits. Write funding proposals and participate in research related to seismicity in NM, collaborating with researchers in NM and other states. Communicate information about earthquakes in New Mexico to stakeholders and the general public through websites, educational outreach, publication of relevant research, and answering media requests. Act as the Bureau's point of contact and organizational lead by coordinating the Bureau's response to seismic events in the state. Supervise students and employees to assist with above tasks.

### JOB FUNCTIONS:

|  |     |
|--|-----|
| Supervise students and employees performing earthquake detection.  | 10% |
| Conduct seismological research in New Mexico and other areas as funded.  | 30% |
| Operate, maintain and upgrade computer systems running EarthWorm waveform acquisition, Seiscomp processing software, SAC waveform analysis tools, webpage. | 20% |
| Write reports and proposals to funding agencies.   | 20% |
| Respond to peer, media and public requests for data and/or information.  | 10% |
| Field work for seismic station maintenance, telemetry maintenance.   | 10% |

### REQUIRED QUALIFICATIONS:

Ph.D. or other doctorate level equivalent in Seismology. Seismic event detection and location. Seismic equipment and fieldwork practices. Linux terminal and shell scripting.

### DESIRED QUALIFICATIONS:

Programming language such as Python. Seismic acquisition systems including Seiscomp and Earthworm.

### LIFTING REQUIREMENTS:

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

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

**PHYSICAL DEMANDS:**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| Standing 5% | Sitting 85% | Walking 5%  | Pulling 1%  |
| Pushing 1%  | Lifting 5%  | Stooping 1% | Kneeling 5% |
| Crawling    | Climbing 1% | Reaching 1% | Other       |

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