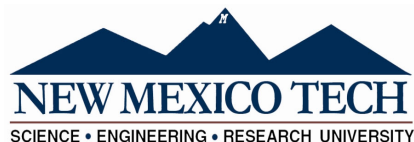


**Posted:** November 7, 2022



## POSITION ANNOUNCEMENT

**TITLE:** STAFF SCIENTIST/ POLAR FIELD ENGINEER (2) **DEPT:** IRIS PASSCAL

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE** \$50,960-\$60,320

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:** November 15, 2022\* 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 primary responsibility of this position is to support Polar geophysical research from the lab, office, and field. Duties include: developing specialized equipment for cold, dark environments; testing, preparing, and shipping equipment; serving as a technical liaison for PI experiments; supporting the installation, maintenance, and decommission of stations in the Arctic and Antarctic; producing and maintaining documentation related to Polar support and systems; and training members of PASSCAL's user community.

### JOB FUNCTIONS:

Design and fabrication of specialized polar equipment	20%
Technical programming and data analysis	5%
Prep and testing of PASSCAL polar equipment	20%
Development of testing procedures for Polar equipment	5%
Field support for seismological experiments	25%
Documentation, reports, and web content	15%
Technical lead for experiment PI (Principle Investigator)	5%
Training	5%

### REQUIRED QUALIFICATIONS:

Associate's degree or completion of program 18+ months after high school, Electronics, technology, or related sciences plus 3 years of directly related experience. Bachelor's Degree, Geophysics or related science, or engineering (Mechanical, Structural, Electrical or similar core engineering). Seismological or other science field experience. Electrical, mechanical or structural engineering design experience. Demonstrated written and verbal communication skills. Must be able to attain a valid passport.

### DESIRED QUALIFICATIONS:

Data telemetry and network design & support experience. Data analysis experience. Scripting and programming experience. Portable DC power systems and power budget calculations. Data acquisition systems for rugged field environments.

### LIFTING REQUIREMENTS:

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

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

**PHYSICAL DEMANDS:**

Standing 19%	Sitting 50%	Walking 10%	Pulling 1%
Pushing 1%	Lifting 5%	Stooping 5%	Kneeling 2%
Crawling 1%	Climbing 1%	Reaching 5%	Other

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