

**Posted:** December 10, 2021



## POSITION ANNOUNCEMENT

**TITLE:** ENGINEER III/ SEISMIC PROJECTS R&D

**DEPT:** IRIS PASSCAL

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE** \$54,080-\$66,560

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:** December 20, 2021\* 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 DUTIES:

Core responsibilities are to support routine testing of PASSCAL equipment and supporting PASSCAL engineering projects in the lab and in the field as needed. Duties include: Routine testing of PASSCAL's hardware; research new products, materials and technologies that could advance the equipment pools and optimize support for PI experiments; support development of new methods for testing seismic instrumentation and ancillary scientific equipment; develop specialized equipment to support geophysical installations in all environments; produce reports and maintain documentation, including web content, related to testing of scientific equipment; and as appropriate, participate in fieldwork supporting seismic experiments.

### REQUIRED QUALIFICATIONS:

Bachelor's degree required in Engineering plus Three (3) years or more directly related experience. Master's degree required in Engineering plus two (2) years or more directly related experience. Demonstrated mechanical engineering design capabilities required. Working knowledge of DC power systems required. Familiarity with time series data formats required. Proficient in mechanical engineering required. Able to analyze data logger and power systems performance required. Proficient in technical writing and communication of technical concepts required. Proficient with CAD and modeling software and tools desired. Working knowledge of RF systems and component desired. Working knowledge of seismometers or scientific grade sensors desired. Advanced knowledge of data loggers and analog to digital conversion desired. Advanced knowledge of telemetry systems desired. Field experience in a mixture of locations, including very remote areas desired. Proficient in programming and scripting for device automation desired. Must be able to obtain a valid Passport and a NM Driver's License. Must be fully vaccinated for COVID-19.

Apply to: [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu) OR NMT/ HR 801 Leroy Place Brown Hall Box 234, Socorro, NM 87801