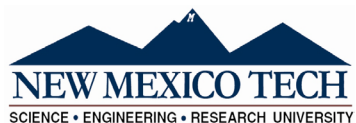


Posted: December 6, 2024



POSITION ANNOUNCEMENT

TITLE: INSTRUMENTATION ENGINEER I (2)

DEPT: EMRTC

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE: \$55,000-\$65,000

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: 12/18/2024* 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:

Instrumentation Engineer will work with a team of engineers and technicians to design, build, field, operate, and maintain sensors, electronic instruments, data acquisition equipment, and control systems to support energetic materials research and testing, at the EMRTC test site and other sites as required. This work will require circuit design, fabrication, and programming of unique electronic packages for many types of instruments. This position also requires working in the EMRTC field laboratory, running data acquisition systems, cabling, installing connectors, troubleshooting electronic equipment, high speed digital camera set up, operation and maintenance. Working with accelerometers, blast instrumentation and other diagnostic equipment.

JOB DUTIES:

Design and fabrication of electronic units. Prepare, transport, set up, troubleshoot and operate instrumentation systems such as data acquisitions, Flash X-Ray, Doppler radar and high speed cameras. Operate, troubleshoot, maintain, and repair electronic instrumentation equipment. Assist with testing requirements using hand tools, power tools and specialized equipment.

REQUIRED QUALIFICATIONS:

Bachelor's Degree required in Electrical Engineering, Mechanical Engineering or Physics. Circuit design, electronics, fabrication, and programming required.

DESIRED QUALIFICATIONS:

Sensor calibration, installation, and data acquisition experience desired. Explosives or Energetic Materials field testing experiences desired. Must have a valid New Mexico Driver's License. A pre-employment drug screen is required upon hire.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 10%	Sitting 20%	Walking 25%	Pulling 5%
Pushing 2%	Lifting 15%	Stooping 5%	Kneeling 10%
Crawling 1%	Climbing 5%	Reaching 5%	Other

Apply to: nmtjobapps@npe.nmt.edu