

Posted: January 19, 2024



POSITION ANNOUNCEMENT

TITLE: RESEARCH ENGINEER I

DEPT: EMRTC

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$60,000-\$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: January 29, 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:

Assists with coordinating and conducting explosive R&D manufacturing processes in the EMRTC laboratory utilizing knowledge in explosives engineering and process controls, equipment and manpower utilization, effective communications; trains and monitors personnel in proper job related safety procedures. A basic working knowledge of instrumentation installation and operation is also required. The research engineer will need to be familiar with aspects of the manufacturing operations, mechatronics, and machine design, machining and tooling. The research engineer needs to have a good understanding of computer programs including Microsoft Office and SolidWorks/CAD. The research engineer also needs to be an effective communicator.

REQUIRED QUALIFICATIONS:

Assists with manufacturing according to specifications or requirements specified by customers; prepares written or oral reports from data gathered throughout the process and makes recommendations on changes to the process. 60%

Coordinates the activities of customers and field operations support group on specific tests; acts as EMRTC representative with customers for specific programs when required. 10%

Inspects instrumentation, equipment, and facilities regularly to report status and recommends improvements and repairs; trains personnel in proper safety procedures; monitors overall employee performance for professionalism. 10%

Collects and processes test data as specified by the customer for later analysis and preparation of reports; collects, processes and safeguards classified/proprietary data per security regulations/customer requirements. 10%

Assures SOPs, security regulations and safety policies are observed. 5%

Performs other duties as assigned or directed within the scope of the position or at higher level as part of career enhancement training/preparation. 5%

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Mechanical Engineering. Modeling Software experience (SolidWorks, CAD, etc). Knowledge of Process Controls, Mechatronics, Machine design, Robotics.

DESIRED QUALIFICATIONS:

3 Dimensional Quality Control systems (CMM, CT, VMM, etc). Machining experience. Ability to create and understand engineering drawings.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 15%	Sitting 35%	Walking 15%	Pulling 5%
Pushing 5%	Lifting 5%	Stooping 5%	Kneeling 5%
Crawling	Climbing 5%	Reaching 5%	Other

Apply to: nmtjobapps@npe.nmt.edu