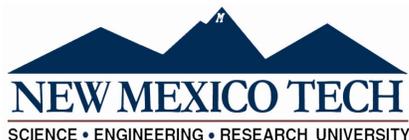


Posted: January 23, 2023



POSITION ANNOUNCEMENT

TITLE: HYDROGEOLOGIST

DEPT: BUREAU OF GEOLOGY

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$45,000-\$55,000

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 31, 2023* 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:

This position is for a hydrogeologist with expertise in GIS and/or groundwater modeling and mapping. The successful hire will be a team member in the Aquifer Mapping Program, focusing on 3D hydrogeologic mapping of geologic and hydrologic features in New Mexico. Models will be built utilizing GIS software, graphic design programs (Adobe Illustrator), and database software (Access). The position will require communicating the results of these models through technical writing and presentations, and providing technical support for other staff scientists. Experience in spatial statistics (kriging, trend fitting, Monte-Carlo methods) and managing regional databases is a plus. This position is supported by soft money contracts; position is contingent on continued contract awards.

JOB FUNCTIONS:

Building geologic models in ArcGIS with Python, calculating uncertainties in results, building map packages and geodatabases	40%
Data processing ("standardizing" for input into model building processes i.e. converting line data to points, creating points from geologic map polygons, creating offset control points, creating well control data from cross-sections, combining datasets, etc.)	30%
Regional research and data compilation in preparation for model building	15%
Report Writing	10%
Presentations and nontechnical work	5%

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Geology, Hydrology, Earth Sciences, GIS, Cartography. Master's Degree in Geology, Hydrology, Earth Sciences, GIS, Cartography. Knowledge generally associated with a Master's degree in Earth Sciences (such as geology, hydrology or related science field). Knowledge of ArcDesktop and graphic design software like Adobe Illustrator. Knowledge of basic software including word processing, database, and presentation software. Ability to learn new or software quickly.

DESIRED QUALIFICATIONS:

Familiarity with complex geology of New Mexico. Experience using ArcScene, Story Map, 3D viewing software, and Python.

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	S

PHYSICAL DEMANDS:

Standing 10%	Sitting 90%	Walking	Pulling
Pushing	Lifting	Stooping	Kneeling
Crawling	Climbing	Reaching	Other

Apply to: nmtjobapps@npe.nmt.edu