

**Posted:** June 29, 2023



**REVISED 6/29/23**  
**POSITION ANNOUNCEMENT**

**TITLE:** SENIOR SYSTEM & NETWORK ADMINISTRATOR

**DEPT:** ICASA

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE** \$85,000-\$95,000

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:** August 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 DUTIES:**

As Senior Systems Network Administrator, responsible to architect, administrate, and maintain the critical server, desktop, and laptop computer environment for ICASA, as well as to support infrastructure and analytic tools utilized by ICASA personnel. Responsible for the configuration, installation, testing, monitoring, operating, troubleshooting, and maintenance of: server hardware and software; desktop and laptop hardware and software; and network infrastructure. Responsible for ensuring compliance with NIST 800-171, CMMC and other customer specific requirements. Participate in the research and development of computer platforms, environments, and solutions enabling of and in conjunction with technical projects underway at ICASA. Contribute to the overall cybersecurity posture of the institute. Will serve as a member of a team of system administrators receiving tasking from the team leader.

### **REQUIRED QUALIFICATIONS:**

Bachelor's degree - Area of study: Computer science or Information technology. Knowledge of Windows, Linux, and OSX operating system and networking skills. Unix, Windows, and/or Macintosh systems administration certification(s) desired. Cybersecurity, information assurance, and/or related certification(s) desired. Proficient in MS Server 2XXX desired. Knowledge of Relational Database Technology desired. Familiarity with Cloud Computing Technologies and Platforms desired. Experience with using Linux/Open Source tools for network security duties (firewall, switches, VPN, security appliance, etc.) as required. Eligible to obtain and maintain a DOD TS/SCI security clearance.

### **Institute Description:**

ICASA is a research division of New Mexico Tech that contributes to national security and public safety through research, education, and training with projects typically sponsored by county, state, and federal governments. ICASA has resources that include high performance computing and real-world test environments with computer networks, power distribution systems and supervisory control and data acquisition systems as well as capabilities that include analytical and computational techniques for data management, data science, complex networks, and visualization.

### **Equal Employment Opportunity:**

New Mexico Tech is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility and respect for the rights and sensibilities of everyone. New Mexico Tech is an Equal Opportunity Employer.

## **Benefits:**

Excellent benefits (health, vision, dental), tuition waiver programs, a generous retirement plan, and the amenities of working on a university's campus.

## **Regional Attractions:**

New Mexico Tech is located in Socorro, in the scenic Rio Grande River Valley of central New Mexico, 75 miles south of Albuquerque with its many attractions and services, and 139 miles south of Santa Fe that is the oldest capital city in the United States known for its Pueblo-style architecture and arts. Nearby mountains and desert canyons provide opportunities for excellent hiking, climbing, and mountain biking. The Bosque del Apache National Wildlife Refuge, located just south of Socorro along a major north-south flyway, offers some of the best birding in the USA.

This position supports the Playas Electronic Attack and Cyber Environment (PEACE) program mission to provide suitable systems and/or technical, analytical, and support services necessary for Service and Joint information warfare activities, providing advanced technology solutions for training, experimentation, exercise, and rehearsal purposes. To support critical experimentation and training events, the Cyber/Electronic Warfare (EW)-kinetic laboratory and testing environment requires understanding cyber-connected devices interacting with the physical environment found in manufacturing automation, utilities and transportation. Understanding these interactions will enable commanders to induce kinetic effects through cyber or vice versa and provide Department of Defense (DOD) with methods to help civilian authorities better protect domestic infrastructure such as dams, electric power grid and airports as well as help planning to improve the resilience of deployed bases. In addition, the cyber/EW-kinetic environment provides the opportunity to provide quick reaction testing to emerging cyber/EW threats for R&D and operations. The PEACE program is managed and executed within the Institute for Complex Additive Systems Analysis (ICASA), a research division of New Mexico Institute of Mining and Technology (NMT).

Apply to: [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu) OR NMT/ HR 801 Leroy Place Box 132, Socorro, NM 87801