POSITION ANNOUNCEMENT

JUNIOR ELECTRICAL TECHNICIAN

The Junior Electrical Technician position is part of Lowell Observatory’s Technology Department. The Junior Electrical Technician performs electrical equipment installation and testing, and maintenance of power and communication systems within telescope facilities. Work is performed primarily at the Lowell Discovery Telescope (LDT) site. This position reports to the LDT Engineering Manager.

RESPONSIBILITIES

The Junior Electrical Technician assists engineers with design, procurement, assembly, testing, installation, and maintenance of facility electrical systems and equipment for Lowell Observatory telescope installations. Procurement activities may include inspection and/or verification of incoming electrical components. He/she performs assembly and testing of electrical equipment to verify function and performance, and installs and debugs electrical equipment at the telescope site. Maintenance activities include inspections, trouble shooting, and implementing operations and maintenance procedures for electrical systems and equipment. He/she is responsible for electrical site maintenance, tools and spare parts organization and storage, and electrical tasks as directed by engineers or the site manager.

QUALIFICATIONS

Attention to detail is a must. The Junior Electrical Technician must have the ability to prioritize, work effectively under pressure, and complete tasks on schedule. He/she shall be self-motivated, and able to effectively support operation and maintenance of facility and telescope systems. He/she must have the ability to communicate effectively orally and in writing. He/she should show the willingness to take on new tasks and other duties as needed. He/she may be required to perform physically demanding tasks, including climbing; lifting, and carrying; and occasionally working in confined spaces.

EXPERIENCE, AND EDUCATION

High school education required, associate’s degree in electrical engineering technology or related field preferred. Some technical training, college engineering technology coursework, or equivalent military training preferred.

Experience including maintenance and/or construction of astronomical telescope facilities or other complex technical facilities is preferred. Experience including electrical power systems assembly and test, vendor-supplied electrical subsystems installation and test, and related troubleshooting and repair is required. Experience should span a broad range of technologies; ideally from microvoltage analog, to logic-level digital, to 480 volt three-phase power. Familiarity is desired with sensors such as chargecoupled devices, resistance temperature detectors, encoders and load cells, and motor controllers including stepper drives, brushless direct-current amplifiers, and three-phase variable frequency drives.
He/she should be fluent with MS Office software package, and must have the ability to read and understand engineering drawings, data sheets, schematics, and wiring diagrams. Basic understanding and application of the National Electrical Code as it applies to industrial installations is required. Ability to generate electrical schematics with CAD software is desired.

Candidate must have or be able to obtain a valid AZ Driver’s license and have an excellent driving record. A Motor Vehicle department background check will be performed annually. Serious violations will be grounds for immediate dismissal.

WORKING CONDITIONS

The Junior Electrical Technician will work at elevations above 7000 feet. Temperatures can range from -20 to 80 degrees F. The work requires a moderate degree of climbing, walking, bending, reaching, driving, and repetitive motions and typical operations require long periods of standing or sitting at a computer. Work with high voltage electrical systems. Occasional night-time work may be required.

Status/Hours: Temporary – 30-40 hours/week
Probation: 90-day probationary period, with regular evaluation based upon progress of training and compatibility with the team. Upon successful completion of the probationary period the employee’s status will change to Regular (Long term), and will receive $1/hr pay increase and be eligible for full benefits.
Compensation: $16-$18 per hour
Benefit Eligible: Full Benefits* after 90-day probation
FLSA Classification: Non-Exempt
Location: Flagstaff and Happy Jack, AZ

To Apply:
Please send the following documents to humanresources@lowell.edu
- Lowell Application (http://lowell.edu/about/employment)
- Letter of interest addressing your qualifications
- Resume
- Phone numbers and e-mail addresses of three professional references

Applications received by August 6th 2020 will receive full consideration. The position will remain open until filled.

*Benefits Overview: In addition to 10 scheduled paid holidays, Lowell Observatory offers a Flexible Paid Time Off policy for all full-time, benefit eligible employees which allows you to determine how much time you need to rest and enjoy yourself outside of work. The cost of premiums for medical, life & long term disability insurances for benefit eligible employees is 100% paid by the company, and includes a contribution to either an H.S.A or HRA account for first dollar medical expenses.

Employment is subject to passing a background check

Lowell Observatory is an Equal Employment Opportunity/Affirmative Action employer and provides equal employment opportunity to all persons without regard to race, color, religion, sex, national origin, age, genetic information, disability, veteran status, political beliefs, sexual orientation, and marital and family status.

Lowell Observatory provides reasonable accommodations to applicants with disabilities. This nonsmoking/drug-free campus is at an elevation of 7,000 ft/2100m, and the LDT is 40 miles south of Flagstaff at an elevation of 7,800 ft/2370m. If you need a reasonable accommodation for any part of the application and hiring process, please notify the Human Resources office for assistance.

VERSION July 2020/HR