Electrician II

Job Code 00007062

General Description
Responsible for performing journey-level electrical work including installation, maintenance, and repair of campus electrical systems and equipment.

Examples of Duties
Identify, remove, and replace inoperative lamps, ballasts, lamp holders, switches, fixtures, receptacles, breakers, panels, and switchgears. Troubleshoot, repair, replace, and perform preventative maintenance on electrical equipment. Restore electricity to building or equipment by identifying reason for outage, rerouting power and making necessary repairs. Analyze and repair or replace receptacles, circuit breakers, panel boards, switch gear, motor starters, and wiring connections. Provide technical support at sporting and other special events. Operate University vehicles. Perform routine housekeeping duties in the shop area, and equipment rooms. Reset power supply during malfunctions. Install conduit, boxes, fittings, and electrical equipment and pull wire for circuits. Check elevators for proper operations, report condition or operation of elevator when it is malfunctioning. Check water levels in high voltage vaults or tunnels; remove water when necessary with sump pump. Perform underground electrical work on high-voltage distribution equipment. Terminate or splice high-voltage distribution wiring to transformers and switches. Install surge suppression and line filtering devices on sensitive electrical equipment. Time keeping, part ordering, and database research. Train, direct, and monitor the work of assigned employees. Perform other duties as assigned.

Knowledge, Skills, and Abilities
Knowledge of: National Electrical Code; electrical systems and circuitry; stage lighting; applicable laws and codes; computers; Texas State University buildings and equipment located inside and outside of the buildings; safety procedures related to high-voltage equipment maintenance and operations; mechanical concepts; construction standards.

Skill in: use of equipment and tools used for troubleshooting electrical equipment; preparing and conducting training; troubleshooting and diagnosing problems in circuitry; prioritize equipment needing immediate repair; problem solving.
Ability to: understand written job instructions, blueprints, schematics, policy and technical manuals; compare and verify columns of numbers; use measuring devices; review logs and time slips; read charts, graphs, and specifications; complete forms and time slips; prepare concise, grammatically correct reports, letters, records, and proposals; calculate voltage and resistance, using standard formulas and calculator; figure ratios to mix solutions; work as team member on most tasks of job; interact courteously with often hostile members of public; observe and interpret operation of equipment or lack of operation; adjust limit switches on automatic door openers and conveyor belts; explain technical material to lay persons; troubleshoot; work under pressure; maintain and repair commercial laundry, athletic, and power equipment.

Educational Experience
To qualify for this classification, an individual must possess any combination of experience and education that would likely produce the required knowledge, skills, and abilities.

Other Requirements
Must have a State of Texas Journeyman Electrician License.