

## **ELECTRICAL, MECHANICAL, & REFRIGERATION TECHNICIAN**

### **PURPOSE AND NATURE OF WORK**

This is skilled work involving the installation, repair, and maintenance of air conditioning, heating, and refrigeration equipment in all City-Parish buildings and facilities, and performing various other electrical and mechanical tasks as required. Assignments are made in the form of written or oral instructions and may be accompanied by sketches and blueprints; however, work also arises out of inspections and troubleshooting.

Work of this class is performed under the general supervision of the Facilities Maintenance Manager.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Inspects, adjusts, maintains, and repairs air conditioning, heating, and related equipment. Maintains and repairs ice-makers, refrigerators, freezers, and other refrigeration and electrical equipment. Repairs small appliances and electrical power tools. Runs conduit; installs new and replaces old wiring, light fixtures, and other electrical needs in buildings as needed. Repairs pumps, generators, fans, metering devices, relays, and other electrical and related mechanical equipment. Repairs gas heaters, ranges, water heaters and other appliances.

Performs related work as required.

### **NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS**

Considerable knowledge of the standard practices, methods, tools, materials, and equipment used in the installation, repair, and maintenance of air conditioning, heating, refrigeration, electrical, and mechanical equipment.

Considerable knowledge of a wide variety of air conditioning, heating, refrigeration, electrical, and related mechanical equipment and sources of possible malfunction.

Knowledge of the occupational hazards and safety precautions of the trade.

Ability to understand and follow oral and written instructions, and to read and interpret blueprints, sketches, and diagrams.

Ability to locate and repair defects and malfunctions in refrigeration, electrical, and related mechanical equipment.

Ability to perform duties requiring physical strength and endurance.

Ability to maintain records and prepare simple reports.

Ability to develop and maintain effective working relationships with superiors and other employees.

Skill in the use and care of tools and equipment used in the performance of assigned tasks.

### **DESIRABLE TRAINING AND EXPERIENCE**

Graduation from high school supplemented by vocational technical school training in the field of electrical, air conditioning, heating, and refrigeration; and experience in performing installation; troubleshooting, and repair of related equipment including general electrician experience; or any equivalent combination of training and experience.

### **NECESSARY SPECIAL QUALIFICATION**

Universal Refrigeration Certification (section 608) to purchase, dispense, and dispose of regulated refrigerant, prior to appointment.