CLASS TITLE: **ELECTRO-MECHANICAL TECHNICIAN**

DEFINITION: Under general supervision, performs work of considerable difficulty in the maintenance, installation, servicing/repair of electrical systems/equipment and building heating and air conditioning systems and equipment; and performs related work as required.

EXAMPLES OF DUTIES: Installs, maintains and inspects electrical equipment/systems and heating and air conditioning systems; performs all levels of electrical and mechanical work including the servicing, repair and installation of motors, fans, switches, food service and other appliances, gas-fired equipment, transformers, signaling systems, starter motors, pumps, air handling and distribution equipment and various other electric and electromechanical equipment and apparatus; repairs/replaces/installs fixtures, conduit, wiring systems, circuit breakers, power distribution lines, converters, switches, motors, controllers, boiler controls and safety devices, thermostats, temperature control valves and other electromechanical components/systems; operates HVAC test equipment including, but not limited to, equipment used for measuring pressures, velocities, voltages, etc.; maintains/services electrical and electromechanical control equipment such as circuit breakers, starters and remote switching gear, etc.; lays out work and interprets blueprints; maintains appropriate work records and reports; may train other employees.

DESIRABLE QUALIFICATIONS:

Training and Experience:

Four years of progressively responsible experience in either the electric or heating, ventilating and air conditioning trades; or an equivalent combination of training and experience.

Knowledge and Skills:

Knowledge of:

- The standard practices of the electrical and HVAC trades
- The operation, maintenance and repair of building, heating, ventilation and air conditioning systems and controls
- Tools and equipment used in the electrical trade and in building mechanical system repair and installation work

Skills in:

- The installation, service and repair of electrical and HVAC systems and equipment
- Reading and interpreting schematic control diagrams, wiring diagrams, blueprints, and in trouble shooting electrical and HVAC systems

- Selecting and operating hand tools, diagnostic equipment and service/installation methods
- Establishing and maintaining effective working relationships with staff and other members of the community

Licenses and Certificates:

- A valid California Driver's License
- Possession of, or ability to obtain within six months, certification through a certification program approved under 40 CFR, Part 82