



Job Description

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Job Description for **Refrigeration Technician**.

Job Description:

Job Essential Function 1
Percent of Time: 60%

MAINTENANCE/OPERATIONS

Responsible for the maintenance, operation, installation, repair and service of refrigeration and process cooling equipment and their component parts used for environmental conditioning, refrigeration, process cooling, including sophisticated products found in laboratory and research locations.
Replacement of parts to include condensing units, compressors, fan motors, chilled water valves, expansion valves, evaporators, condensers, electrical relays, controls, etc.
Testing of refrigeration equipment to ensure proper functioning of systems following repairs.
Diagnose, inspect, troubleshoot, and overhaul electrical control circuits, temperature and pressure controls, and all related refrigeration components using manuals, blueprints, and equipment knowledge.
Responsible for preventative maintenance, such as replacing filters, cleaning coils and fan wheels, checking controls, flushing systems, re-insulating, and other manufacturers recommended tasks as described.

Job Essential Function 2
Percent of Time: 30%

REFRIGERANT HANDLING

Responsible for the proper handling of all refrigerants and oils, adhere to EPA protocol and published evacuation standards.
Perform annual leak check on mandated refrigeration equipment and accurately complete all required EPA filing paperwork.
Maintain records and prepare reports on repairs and service to equipment.

Job Essential Function 3
Percent of Time: 10%

ADMINISTRATIVE

Help maintain a list of refrigeration equipment as to location and type, keeps shop and repair manuals up to date. File appropriate records and documents pertaining to timecards, work orders, purchase orders, service records, and equipment logbooks.

SKILLS, KNOWLEDGE AND ABILITIES:

Required:

Five years refrigeration experience at the journeyman level.
Thorough knowledge of the practices, methods, equipment, materials and tools of the refrigeration industry.
Thorough knowledge of the occupational hazards and safety precautions of the work.
Skill in the use and care of the tools and equipment of the refrigeration trade.
Thorough knowledge of Cal EPA reporting requirements and auditing procedures administered by the SCAQMD.
EPA Universal refrigeration certification.
Knowledge of electric and electronic controls associated with refrigeration.
Ability to read and interpret drawings, sketches and diagrams.
Must possess a current California Driver's License.
Must have the ability to work effectively in a service oriented environment, subject to frequently changing priorities and demands.
Ability to order parts and materials as necessary to carry out repair and maintenance work.
Ability to effectively communicate, both orally and in writing with customers, supervisors, stakeholders, and other members of the campus community.

Desired:

Knowledge of Refrigerant Compliance Software used on campus.
 Formal training in the service and repair of refrigeration systems.
 Knowledge and experience with UC Irvine s Policies and Procedures.

Below are general guidelines on the position's physical, mental, and environmental working conditions.
 In accordance with applicable state and federal law, UCI provides reasonable accommodations for applicants with disabilities upon request. For more information, please contact Human Resources at (949) 824-5210.

Bend: Frequently
 Squat: Frequently
 Crawl: Frequently
 Climb: Frequently
 Kneel: Frequently
 Handle Objects: Constantly
 Push/Pull: Constantly
 Reach Above Shoulder Level: Frequently
 Sit: Occasionally
 Stand: Constantly
 Walk: Constantly
 Use Fine Finger Movements: Constantly
 Carry/Lift Loads up to 25 Pounds: Occasionally
 Carry/Lift loads between 25-50 lbs: Occasionally
 Carry/Lift Loads over 50 Pounds: Occasionally
 Read/Comprehend: Frequently
 Write: Occasionally
 Perform Calculations: Occasionally
 Communicate Orally: Constantly
 Reason and Analyze: Occasionally
 Chemical/Biological Agent: Occasionally
 Construction Activities: Frequently
 Contact with Water/Liquids: Occasionally
 Drive Motorized Equipment: Frequently
 Confined Spaces: Occasionally
 Elevated Work Location: Frequently
 Radioactive Materials: Occasionally
 Temperature Variations: Frequently
 Gas System: Frequently

Other Working Conditions:

Must possess a valid CA Driver License and participate in the DMV Employee Pull Notice program. Must be able to operate a Facilities Management vehicle. Must be able to climb ladders. Wear personal protective equipment.

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