

As an Air Conditioning Mechanic, you will maintain and repair the commercial AC systems at Ronald Reagan Washington National Airport (DCA) or Washington Dulles International Airport (IAD).

JOB DESCRIPTION

- Air Conditioning Mechanic
- This is a journey (full performance) level job in the air conditioning series.
- Works under the direct supervision of the Air Conditioning Supervisor; however, may receive direction from an Air Conditioning Leader or Air Conditioning Group Supervisor.
- Serves in the Utilities Division of the Engineering and Maintenance Department at either Ronald Reagan Washington National Airport (DCA) or Washington Dulles International Airport (IAD).

Installs, tests, troubleshoots, repairs, and maintains commercial-grade and industrial-scale air conditioning (AC) and ventilation systems, refrigeration equipment, and auxiliary heating and AC units. Performs related functions.

GENERAL RESPONSIBILITIES

- Responds to emergency calls; troubleshoots and identifies problems, and performs necessary repairs, adjustments, or corrections.
- Dismantles and repairs, replaces, or reassembles electrical, electronic, and pneumatic control AC units and associated HVAC units.
- Installs and fits bearings, bushings, connecting rods, and shafts; aligns motors and flywheel drives [At DCA]; adjusts controls; sets heat anticipators and rewires units; and installs purge units for recovery.
- Repairs non-functioning water coolers and window air conditioners.
- Recommends modifications to equipment, preventive maintenance procedures, and cycles for efficient operation of equipment.
- Manually adjusts heat-pumps from cooling to heating, coordinating actions with AEM Shop [At IAD] and the Airport Fire Department on initial start-ups in case smoke detectors sound alarms.
- Welds, brazes, solders, bends, and cuts pipe and tubing.
- Substitutes as Air Conditioning Equipment Operator by operating centralized, multiple zone, air conditioning and heating systems in airport buildings.
- Work with Siemens Building Automation System (BAS).
- [At DCA] Trouble Shoot and Replace Direct Digital Controls (DDC).
- [At DCA] May perform chemical tests of cooling-tower water.
- May guide AC Repairer, HVAC Apprentice's or other workers and provides on-the-job training as necessary.
- Occasionally cleans cooling towers and machine rooms and paints equipment.
- Writes discrepancy reports for problems encountered on tenant-maintained equipment.
- Performs other duties as assigned.

QUALIFICATIONS

- Four years of progressively responsible experience in the installation, test, diagnosis, maintenance, and repair of air conditioning equipment and systems.
- Full performance (journey) level knowledge of and skill in the HVAC trade.
- [At DCA] Knowledge of and skill in making repairs to Chillers and Chilled Water Systems and Boilers (low pressure hot water).
- Skill in using tools, technical manuals, schematics, blueprints, manufacturer's materials, and other equipment and guides in journey level HVAC work.
- Ability to analyze data and information (including blueprints and schematics).
- Ability to work safely and knowledge of the safety rules, regulations, and procedures needed to do so.
- Ability to speak and write effectively.
- Skill in using a computer, computerized work order and time and attendance system.

PREFERRED QUALIFICATIONS

- Licensed as a Journey HVAC Mechanic (or higher).

EDUCATION

- A high school diploma, a Certificate of General Educational Development (GED), or an equivalent combination of education, experience, and training.

CERTIFICATIONS AND LICENSES REQUIRED

- A state driver's license in good standing.
- Universal Certification (Section 608) by the Environmental Protection Agency (EPA) to service HVAC/refrigeration equipment.

NECESSARY SPECIAL FACTORS

- Work is typically reviewed in progress and upon completion for quantity, quality, timeliness, teamwork, customer service, and other factors.
- Operates vehicle landside and airside (requires AOA permit).
- May be subject to hold over and recall on a 24-hour basis for essential services and emergencies.
- May be subject to night/weekend work. Works rotating shifts.
- Work requires moderate to heavy physical exertion (lifting objects up to 100 pounds). May bend, stoop, crouch, and work in a cramped position.
- May be subject to potential hazards common to the airport environment and air conditioning trade. Wears personal protective gear, as necessary.