

ASHEVILLE REGIONAL AIRPORT AUTHORITY POSITION DESCRIPTION	
POSITION TITLE: Maintenance Technician IV: Airfield & Facility Electrician	DATE: 10/24/2023
DEPARTMENT: Maintenance & Operations	GRADE/LEVEL: 16

Position Summary

Performs skilled technical and trades work in the maintenance and repair of airport buildings, grounds, facilities, and equipment. Responsible for the maintenance, troubleshooting, repair, and/or replacement of various electrical and lighting systems for landside and airside operations. Work requires significant independence, initiative, and management skills and advanced knowledge of technical and trade practices.

Responsibilities (Essential Functions)

- Maintains all required training and certifications as an electrician in accordance with established timeframes and protocol. Willingly attempts to improve performance and/or correct deficiencies.
- Maintains all electrical systems, including runway and taxiway lighting, repairs and maintains high voltage regulators and feeder circuits for field lighting and associated control circuits to the control tower, airfield beacon, roadway lighting, signage, and various airport buildings and their back-up emergency systems in accordance with established procedures.
- Assures departmental compliance with all applicable OSHA and EPA requirements. Maintains control of hazardous chemicals, substances, and waste within area of responsibility.
- Maintains current knowledge of all AVL regulations, and policies.
- Performs and coordinates preventive maintenance, repairs and/or replacement component parts of various electrical and lighting systems, airfield and street lighting systems. Maintains appropriate records, inventories of replacement parts, and files on electrical equipment in a timely and organized fashion, and in accordance with established protocol. Also makes repairs to baggage conveyors; check and service main terminal, lighting and aircraft loading bridges.
- Investigates, reviews, and coordinates activities with vendors, contractors, and others. Assists with minor airport construction and repair projects in terms of electrical systems, HVAC, security, and emergency systems, and completes assignments in accordance with established protocol.
- Paints a variety of surfaces, repairs carpet, and moves furniture.
- Operates a variety of vehicles, including bucket trucks, dump trucks, pickup trucks, and mowers; operates light power and hand tools.
- Repairs and replaces electrical motors and pumps of varying sizes, and electrical appliances such as refrigerators, ovens, dishwashers, etc.
- Performs less skilled plumbing, carpentry, mechanical, electrical, and HVAC work as needed; assists with snow removal, landscaping, runway maintenance and cleaning buildings and facilities as needed.
- Responds to tenant needs as required in a timely, user-friendly manner.



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- Understands all airport customers, knows who they are, and anticipates and meets their expectations through quality service, and in accordance with the airport's mission, values, and vision.
- Maintains logs of scheduled maintenance, repairs, and inventories of replacement parts.
- Requisitions parts, supplies, and materials as needed.
- Coordinates the provision of safety training and in-service training for maintenance personnel and identifies training needs and sources.
- Ensures compliance with FAA maintenance requirements.
- Member of the Airport Certification and Safety Teams.
- Coordinates repair & maintenance outlined in the FAA Part 139 Airport Certification Manual.
- Carries out all responsibilities in an efficient and effective manner.
- Performs other functions as requested to ensure compliance and the safety and security of the airport.

Education Requirements (Evaluation Factors: Skills, Knowledge, Experience, and Ability)

- High School Diploma or GED required.
- Five (5) to ten (10) years electrical apprenticeship program and/or technical school required.
- Five (5) years' experience in Airfield Lighting preferred.

Experience Requirements

- Considerable knowledge of, or ability to learn, job-relative to FAA regulations.
- Considerable knowledge of the principles and techniques of mechanical, electrical, and electronic trades.
- Ability to operate computer, fork-lift, and snow removal equipment.
- Considerable knowledge of safety regulations, occupational hazards, and related safety precautions.
- Skill in operation, service, use, and care of equipment used in this position.
- Ability to understand and follow oral and written instructions.
- Ability to communicate courteously and establish and maintain effective working relationships with coworkers, supervisors, and the public.

Special Knowledge, Skills and Abilities

- Currently hold a North Carolina Commercial Driver's License (CDL) or have the ability to obtain.
- Works extended snow removal events including nights and weekends.
- Must be able to obtain Airfield driving privileges.



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Supervisory Responsibility

- None.

Licenses Required

- Valid North Carolina Driver's License.
- Electrical Contractor License preferred.

Certifications Required

- Current Electrical License and must be kept current with required training.

Latitude/Independent Judgment/Accuracy

- The Maintenance Manager/ Maintenance Supervisor establishes workflow for the position.
- Diligence must be exercised when handling confidential information.
- Reasonable care for equipment/process will prevent injury/damage.
- Responsible for own work but must coordinate work with others.

Other Requirements

- Must be able to complete and pass a background investigation as required by the Federal Government.

Working Conditions

- Physical Demand - Must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, feeling, talking, hearing, grasping, and repetitive motions.
- Must be able to perform medium work exerting up to 100 lbs. of force occasionally; and/or up to 20 lbs. of force frequently; and/or up to 10 lbs. of force constantly to move objects.
- Subject to inside and outside environmental conditions, including extreme hot and cold weather, noise, physical hazards, and narrow passageways.
- Works a rotating shift assignment with a team to cover a 24/7/365 schedule. This includes days, nights, weekends, and holiday work schedules. Shift assignments are subject to change.
- Work may require on-call duty as assigned.
- Required to have the visual acuity to analyze data and figures, operate a computer, perform extensive reading, operate machinery including a fork-lift, snow removal equipment, and other mechanical equipment as needed.