

APPRENTICE
ELECTRONIC SYSTEMS TECHNICIAN

Location: Delaware Memorial Bridge, New Castle, DE

\$28.81 per hour (\$59,929 annualized)

Opening Date: October 12, 2022

Closing Date: November 12, 2022

I. POSITION SUMMARY

The Electronic Systems Technician Apprentice will service and support the electronic systems and equipment of the Delaware River and Bay Authority (Authority). Employees in this classification assist the Electronics Systems Technicians (EST) install, program, and service equipment and equipment peripherals in the Authority's electronic systems. An Electronic Systems Apprentice will follow the direction from the EST assigned to train him/her and will receive leadership, guidance, instruction, and assistance from these individuals as well as the Electronic Systems Managers and the Director of Technical Operations. Servicing and supporting the Authority's electronic systems and equipment will require travel to other facilities as needed to support Authority operations. The work assigned may be performed internal or external to any Authority building or structure and at great heights. These tasks may be performed over roadways, over waterways, on towers and on, in or under bridges. Employees in this classification are considered essential, non-exempt employees and are subject to call twenty-four (24) hours a day, as may be required to maintain continuous operation of the equipment and systems at the Delaware River and Bay Authority. Personnel within this classification receive supervision from the Electronics Systems Managers and/or the Director of Technical Operations.

II. ESSENTIAL DUTIES AND RESPONSIBILITIES

- Works on assignments applying acquired technical skills and knowledge
- Documents service activities and generate reports using a combination of verbal and written communication skills
- Completes all work assignments in accordance with established procedures, policies, and local, state/federal codes and regulations
- Maintains a detailed knowledge of appropriate and/or established safety requirements, procedures and precautions for all assigned duties, exercises and monitors safety requirements, procedures and precautions for the prevention of damage to Authority property and personal injury to themselves, co-workers and the public
- Provides highest level of customer service to everyone by responding in a courteous and efficient manner
- Services, installs and verifies operational readiness of equipment and/or cabling in the following Authority systems:
 - Toll and Fare Collection Systems ○ Traffic Management System ○ Life Safety Systems
 - Public Address Systems
 - RF, Voice and Data Communication Systems
- Operates and/or uses the following in the performance of their assignments:
 - Multi meters, oscilloscopes and soldering/desoldering stations ○ Basic and advanced RF service equipment ○ Computers, their peripherals and LAN cable certification equipment

- System specific operational, diagnostic and reporting software ○ Technical manuals, schematics and drawings
- Power and manual hand tools

III. REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES

- Detailed knowledge of analog and digital electronics and fault isolation techniques
- Detailed knowledge of proper test equipment operating procedures
- Detailed knowledge of electronic/electrical safety and soldering techniques
- Detailed knowledge of body mechanics and ergonomics
- Detailed knowledge of and the ability to use office application software and office equipment
- Ability to read, comprehend, and use schematics during fault identification/isolation
- Ability to make independent decisions
- Ability to climb stairs, consisting of at least ten (10) steps, more than twenty-(20) time per scheduled work day
- Ability to reach or place items at ankle level, waist level, or above the head without assistance
- Ability to work from heights exceeding sixty (60) feet above the ground
- Ability to lift thirty-five (35) pound loads without assistance
- Ability to work within limited, restricted, and/or confined areas
- Ability to climb vertical ladders exceeding fifty (50) feet in height

IV. REQUIRED EDUCATION AND EXPERIENCE

- Associate Degree in Electronics, Computer Science/Information, Engineering, or other related field from an accredited college or a minimum of two years technical service experience in one or more of the following areas: general electronics, telephone KSU/PBX systems, life safety systems, security or radio communications
- Successful completion of formal courses in telecommunications, RF communications and microprocessors based equipment or other courses related to systems listed under Essential Duties and Responsibilities is preferred

V. LICENSES, REGISTRATIONS, AND/OR CERTIFICATES

- Valid driver's license
- Applicants shall obtain the ISCET International Society of Certified Electronics Associate Level Technicians Certification within twenty-four (24) months of their date of hire

VI. ADDITIONAL REQUIREMENTS

- Subject to drug test, background investigation, and pre-employment physical
- Delaware River and Bay Authority requires all employees to have direct deposit with a financial institution or enroll in the payroll card program to receive their bi-weekly pay
- Applicants/employees holding a valid Commercial Driver's License will be subject to drug testing in accordance with Federal and/or State regulations
- Applicants must be willing and available for duty at such hours, day or night, as may be required in order to maintain continuous operation of the facility

- Applicants must be willing to attend technical schools, training and/or courses of instruction within the Delaware River and Bay Authority's facilities or at other designated training facilities

If you are interested in applying for this position please complete the on-line application at www.drba.net. In addition to the online application, please attach a current resume.