

MARINE ELECTRICIAN/ELECTRONICS TECHNICIAN

Location: Cape May, NJ

Salary: \$33.68 per hour (\$70,049 annualized)

Opening Date: April 6, 2021

Closing Date: Until Filled

I. POSITION SUMMARY

The Marine Electrician/Electronics Technician troubleshoots, repairs, and performs installations of electrical equipment and systems on board Authority vessels. Diagnoses and effects necessary repairs and installation of all electrical, electronic and navigational systems on board Authority vessels, work boats, and shore side facilities. This position is responsible for following established safety practices while performing assigned duties to protect self, co-workers and the public from personal injury and to prevent damage to Authority property. This is a bargaining unit position that is represented by the Marine Engineers' Beneficial Association (MEBA).

II. ESSENTIAL DUTIES AND RESPONSIBILITIES

- Design, install, diagnose problems, and service electrical equipment and components
- Repair and maintain normal and emergency power distribution switchboards, electrical generators, and all other shipboard power distribution components
- Diagnose and repair electro-mechanical & hydraulic devices or systems
- Repair and rebuild electric motors and controllers
- Take periodic measurements of electrical devices for ABS and Coast Guard
- Install, tune, and maintain two-way radio equipment (marine and mobile), sound powered phones, and radar equipment
- Install or repair shipboard phones, GPS, depth finders, gyro compasses and entertainment system
- Maintain a clean and safe work area and assist other skilled employees in their craft
- Ability to provide superior customer service to everyone by responding in a courteous and efficient manner
- Equipment Used in Job Performance:
 - All types of mechanical and pneumatic hand tools
 - Drill press, electric drills, grinders, hydraulic hole punches, electric strippers and crimpers
 - Motor vehicles, fork lift
 - Wire bundle and stripping tools, arbor press, oscilloscope, frequency counter and wattmeter
 - Two-way radios, computers, soldering irons and torches
 - Assortment of electrical and electronic measuring devices necessary to make diagnosis and effect repairs
 - Communications Service Monitor

III. REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES

- Familiar with the use of all types of hand tools and measuring devices
- Must be able to understand electrical and electronic schematics and blueprints
- Repair and troubleshoot control circuits
- Must be familiar with marine electrical requirements of USCG and ABS with regard to the Cape May-Lewes Ferry vessels
- Knowledge of the NEC, IEEE, IEC and other electrical and electronics and conventions as they apply to Authority vessels
- Must be able to install marine wiring in a neat and safe manner
- Must be familiar with safety precautions involved in this field
- Ability to provide excellent customer service

IV. REQUIRED EDUCATION AND EXPERIENCE

- High School Diploma or equivalent or equivalent related experience
- Experience working on vessels certified by the USCG under Title 46 CFR Subchapters H or I preferred
- Five (5) years of experience in shipboard electrical and electronic maintenance and repair

V. LICENSES, REGISTRATIONS, AND/OR CERTIFICATES

- Must have a valid F.C.C. General Radio Telephone license with ship radar endorsement
- Valid driver's license
- Must apply for and receive Merchant Mariner Credential (MMC) and Transportation Worker Identification Card (TWIC) within 90 days of employment

VI. SPECIAL REQUIREMENTS

- Subject to background investigation and pre-employment physical including drug test
- 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 biweekly pay
- Must be willing and available for duty at such hours, day or night, as may be required in order to maintain continuous operation of this facility
- Must be willing to sail on vessels as needed
- Must be able to lift, carry, and transport heavy equipment and boxes (less than 20 lbs.)
- Must be able to work on high ladders, aloft, or over the side of vessels
- Must be able to work in extreme temperatures (heat of cold) and humidity
- Must be able to work in confined spaces which require the use of a respirator

If you are interested in applying for this position, current full-time employees may log in to the Employee Self Service System (ESS) and complete an application. A resume must be attached to the application.