



Maryland Department of Transportation

## Electro-Mechanical Crane Tech I - Mechanical Opt

<b>SALARY</b>	\$53,808.00 - \$86,322.00 Annually	<b>LOCATION</b>	Baltimore City
<b>JOB TYPE</b>	Full Time	<b>JOB NUMBER</b>	8130-MPA-EMCT I-Mech Opt 3/25
<b>DEPARTMENT</b>	Maryland Port Administration	<b>OPENING DATE</b>	03/19/2025
<b>CLOSING DATE</b>	4/2/2025 11:59 PM Eastern		

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### Description

#### Career Service

**\*\*OPEN TO ALL QUALIFIED CANDIDATES\*\***

This is a position specific recruitment. The resulting list of eligible candidates will be used to fill this Maryland Port Administration (MPA) position/function only. All interested persons will need to re-apply for any future recruitments conducted in this classification.

#### **This position is located at the Dundalk Marine Terminal.**

The Maryland Port Administration (MPA) is a 211-employee transportation business unit within the Maryland Department of Transportation (MDOT) and is the public face of the Port of Baltimore. MPA was created by the Maryland General Assembly to increase waterborne commerce through the ports in the state. **The Port of Baltimore** plays an integral role as a economic generator and job creator, in addition to maintaining our nation's supply chain and moving vital goods to industries and consumers. As one of the nation's top ports for total cargo tonnage and overall dollar value of cargo, the Port of Baltimore is also one of the most diverse ports in the United States with over 140,000 jobs in Maryland linked to port activity.

**For information on MPA, please go to: [MPA](#)**

#### **General Role Description:**

MPA is seeking a motivated positive and driven Electro-Mechanical Crane Tech I professional to join the **Crane Maintenance Division**. The primary responsibility of this position is performing tasks that keep the port's cranes operational: installing, trouble shooting and repairing mechanical and electrical components on the container, mobile cranes, and Passenger Boarding Bridges.

Some essential duties of this position include but are not limited to the following:

- learns to observe all crane operations during the loading and unloading of cargo and/or machinery in order to ensure safe and efficient operation of the crane
- learns to perform crane start up process by powering up motors, viewing computer screens for possible faults, visually inspecting cables, mechanical equipment, and electrical components, and test operating the crane

- learns to perform periodic preventative maintenance on cranes by following prescribed job plan computerized reports, replacing and filling engine fluids, replacing and repairing parts, reporting serious mechanical or electrical failures and completing the preventative maintenance report forms; learns to perform pre-trip inspection on yard hustler
- lubricates crane parts and related equipment, including, but not limited to: gantry trucks, drive gears, drive chains, transfer cases, motors, bearings, bushings, cables, spreaders, torque units, pivots, slides, rollers, roller pads, sheaves, wheels, wheel clamps, cables, hinges, couplings, rails, rail guides, tension ropes, and linkages
- develops and maintains effective communications with shipping companies, stevedores and International Longshoremen's Association members concerning crane operations
- performs general maintenance and housekeeping work on cranes and crane equipment such as: steam cleaning radiators, cleaning, lubricating, and draining/flushing of cooling systems and worm gear reducer; and reads blueprints, diagrams and schematic drawings to determine work procedures
- learns to assemble, set-up, disassemble and transport mobile cranes
- learns to perform visual and mechanical inspections of wire rope cables, sprockets, welds, gears, shafts, sheaves and wheels
- adds hydraulic oil to tank, gearbox, air compressor, and generator set, and water to batteries; changes fuel, oil, air, heat exchanger, and hydraulic system filters; attaches test instruments to equipment and reads dials and gauges to diagnose malfunctions; checks engine oil levels, radiator coolant levels, exhaust leaks, caulking and battery posts.

**Employees in this class are considered essential employees and are subject to call 24 hours a day, as may be required in order to maintain continuous operation of a facility.** Employees may be required to work rotating shift work, to include evenings, nights, weekends, and holidays. In the event of hazardous weather or highway conditions employees may be called to duty during off-hours in order to maintain and repair equipment. This is maintenance work and requires physical exertion that is performed either outdoors under all weather conditions or inside a building. Employees are required to work outdoors in all types of weather and may be exposed to extreme heat, fumes, exhaust and hazardous materials. On some assignments employees may be required to move objects weighing over 50 pounds.

**MDOT offers a generous and competitive benefits package. You can learn more about our amazing benefits here:**  
[\*\*MDOT Benefits - MDOT\*\*](#)

**Additionally, employees in this MPA position receive the following:**

- A selection of high-quality boots is provided with no out-of-pocket cost from the employee and continue to be covered for replacement once per year (the employee may choose to pay for boots outside of the covered options).
- All tools and equipment needed to perform the work required are provided by the MPA.
- All costs associated with the CDL license requirements during the probationary period are covered by the MPA.
- Continued training and development is provided by the MPA.
- Tuition reimbursement is available per MPA policy.

## **Qualifications**

### **Minimum Qualifications:**

**Education:** Graduation from high school or possession of a high school equivalency certificate.

**Experience:** Four (4) years of experience performing testing, calibration, inspection, repair and maintenance of electrical and/or mechanical apparatus.

**Your placement on an eligible list may be based solely on the contents of your application; therefore, it is essential that you provide complete and accurate information.** Please include all relevant experience on your application. This includes, but is not limited to, full or part time, volunteer, military, acting capacity, or any other experience that is relevant to the position you are applying for.

**If you held more than one (1) position at the same employer, please list each position that you held and the length of time that you held each position.**

**Notes:**

1. Education at an accredited college, university or vocational-technical post- secondary school in electrical, electronics or industrial maintenance may be substituted for up to two years of the required experience at a rate of thirty credit hours for each year of experience. Education must include coursework in: A.C./D.C. solid state circuit/motor analysis, programmable controllers, electronic circuits, microprocessors interfacing, fiber optic communications, fundamental/advanced digital circuits, industrial measurements, pumps, mechanical seals, mechanical drives, hydraulic/pneumatic systems, lubricating systems, blueprint reading, industrial mathematics, basic/advanced electricity, and/or machine tool processes.
2. U.S. Armed Forces military service experience as defined under the Experience Requirement of the Minimum Qualifications may be substituted for the required experience on a year-for-year basis.

## **Licenses & Certifications**

1. Employees in this classification are assigned duties which require the operation of a motor vehicle. Employees will be required to possess a motor vehicle operator's license valid in the State of Maryland. **All applicants MUST list their driver's license number and expiration date on the application.**
2. During the probationary period, employees will be required to obtain and maintain a Class A Commercial Driver's License (CDL) with endorsements for Hazardous Materials valid in the State of Maryland.
3. Employees in this classification will be required to obtain and maintain a Transportation Worker Identification Credential (TWIC) to gain unescorted access to Maryland Department of Transportation Maryland Port Administration facilities.
4. Employees will be required to satisfy the agency's training and certification requirements to obtain and maintain permanent status in this classification.

## **Additional Information**

### **Additional Information**

1. Employees must be available for duty at such hours, day or night, weekends, and holidays, as may be required in order to maintain continuous operation of the MPA cranes and Passenger Boarding Bridge and are subject to call-in.
2. Employees are subject to being on call 24 hours a day and will be required to maintain a reliable communication link for the purpose of emergency call back requirements.
3. Employees that work with or may be exposed to hazardous materials, such as: asbestos, lead-based paint or chromium, may be required to undergo periodic medical testing and may be required to pass hazardous materials training and have the ability to wear a respirator.
4. Persons appointed to positions in this class must maintain a prescribed level of physical fitness and may be required to take a medical examination to determine physical ability to perform the work.
5. Candidates will be subject to pre-employment drug testing in accordance with the Transportation Code of Maryland Regulations 11.02.11, Testing for Illegal Use of Drugs.

6. Employees in these classifications are subject to substance abuse testing in accordance with the Transportation Code of Maryland Regulations 11.02.11, Testing for Illegal Use of Drugs.

#### **APPLICATION PROCESS:**

Please apply on-line at <https://www.governmentjobs.com/careers/mdotmd>. **RESUMES CANNOT BE SUBSTITUTED FOR THE ONLINE EMPLOYMENT APPLICATION. Paper applications (Form DTS-1) will not be accepted for this recruitment.**

**All applications must be received by 04/02/2025.**

Notes:

Please be advised that the State of Maryland is dedicated to a drug free workplace, and as a result, employees are subject to the State's Substance Abuse Policy to include possible drug testing. Selected candidate(s) may be subject to background and reference checks.

**The incumbent in this position may choose to be a member of a collective bargaining unit.**

For education obtained outside the U.S., at the time of application you are required to provide proof of the equivalent American education as determine by a foreign credential evaluation service, such as the National Association of Credential Evaluation Services (<https://www.naces.org>) or World Education Services: International Credential Evaluation (<https://www.wes.org/>). This must be submitted as an attachment with the application of the position in which you are applying.

The Maryland Port Administration is not sponsoring new employees in the application of the H-1B Visa or providing an extension of an existing H-1B Visa at this time due to budgetary constraints. All applications must be legally authorized to work in the United States under the Immigration Reform and Control Act of 1986. Federal Regulations prohibit H-1B Visa candidates from paying sponsorship fees, all sponsorship fees must be assumed by the potential employer.

WE ARE AN EQUAL OPPORTUNITY EMPLOYER. MPA does not discriminate based on age, ancestry, color, creed, gender identity, or expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, belief or opinion, sex, or sexual orientation.

MDOT has various careers for people of all experiences, backgrounds, and abilities who come together to contribute to one mission - connecting our customers to life's opportunities. Join us in serving our Maryland residents, visitors, and businesses.

Reasonable accommodations for persons with disabilities will be provided upon request. Appropriate auxiliary aides and services for qualified individuals with disability will be provided upon request. Please notify us in advance. MD Relay Service Number 1-800-735-2258 (TYY Number: 711). Bilingual applications are encouraged to apply.

**ISSUE DATE: 03/19/2025**

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#### **Employer**

Maryland Department of Transportation

#### **Address**

See Job Posting for Specific  
Address to Mail an Application  
-----, Maryland, -----

#### **Phone**

See Job Posting

#### **Website**

<http://www.mdot.maryland.gov>

**Electro-Mechanical Crane Tech I - Mechanical Opt Supplemental Questionnaire**

**\*QUESTION 1**

Do you possess a high school diploma or a high school equivalency certificate?

- ☐ Yes
- ☐ No

**\*QUESTION 2**

Do you possess four (4) years' experience performing testing, calibration, inspection, repair and maintenance of electrical and/or mechanical apparatus?

- ☐ Yes
- ☐ No

**\*QUESTION 3**

If you answered "Yes" to question 2, please explain how you have obtained the experience defined above. Please include your previous/current employer(s) name(s), dates you were employed, and the duties of the position(s) you held. This experience must be detailed under the "experience" section of your application. if you DO NOT possess this experience, please enter NA.

**\*QUESTION 4**

Do you possess a motor vehicle operator's license valid in the state of Maryland?

- ☐ Yes
- ☐ No

**\*QUESTION 5**

Did you provide your Driver's License information in the applicable fields of the application? If not, please be sure to include it in your application prior to submitting.

- ☐ Yes
- ☐ No

\* Required Question