

MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

Second Assistant Engineer

POSITION OVERVIEW

The Second Assistant Engineer reports to the Chief Engineer or his/her designee and assumes duties as assigned. Employee supervises other engineers and unlicensed personnel assigned to the engine department. The employee will operate and maintain various auxiliary machinery systems. The employee will supervise and/or assist in various maintenance/repair projects. Additionally, the employee will assist with student maintenance classes and student training evolutions. The employee must possess a current USCG-issued Merchant Mariner credential for Second Assistant Engineer (Unlimited HP Motor) or higher, with all necessary STCW endorsements.

DUTIES

- Performs duties directly relating to the maintenance and repair of ship's engine room and auxiliary equipment including, but not limited to, wastewater treatment, air handlers, bilge water transfer and treatment, and freshwater generators. Is responsible for internal fuel oil transfers, maintenance/testing of fuel oil systems and any other assigned task.
- Assist with all engine and machinery overhauls as directed.
- Maintain records of repairs and testing using NS Enterprise maintenance and inventory tracking application.
- Make required entries into logs and records (i.e.: Oil Record Book.)
- Act as a work supervisor of students during maintenance functions.
- Mentor students in watch standing, maintenance, emergency response, and repairs within the parameters of the Safety Management System (SMS) and Chief Engineer's standing orders.
- Strictly adhere to the ship's Safety Management System (SMS) for all aspects of job planning and execution.
- Instruct and mentor cadets in the use of and adherence to the Safety Management System as it relates to their job planning and execution.
- Assist with the execution of emergency drills.
- Comply with all safety PPE requirements.
- Participate in the annual sea term.
- Be available for recall, as needed, while the ship is berthed in home port.
- Is assigned to the vessel and as such participates in all deployments.
- As a uniformed officer, comply with uniform regulations as modified by the Master.
- Other duties as assigned

SKILLS

- Ability to troubleshoot, maintain, repair, and function tests various machinery and systems.
- Experienced in the use of hand and power tools.
- Experienced using common machine shop equipment including drill press, milling machine and lathe.
- Experienced with welding, brazing and pipe fitting.
- Experience with variable frequency drives, high voltage preferred.
- Good oral and written communication skills.
- Ability to supervise, mentor and ensure safety of cadets.

REQUIREMENTS

- USCG issued Second Assistant Engineers License, unlimited HP Motor or higher with all applicable STCW endorsements: BST, Advanced Firefighting, OICEW.
- Posses or be willing to obtain a Vessel Personnel with Dedicated Security Duties (VPDSD) endorsement.
- Recent sailing experience in a licensed capacity aboard motor-propelled vessels of 4,000 HP or above.
- Thorough knowledge of all duties associated with the 3AE and 2AE positions.
- Experience with diesel-electric propulsion is desired.
- High-voltage safety training certificate preferred.
- Minimum three years of watch-standing experience aboard commercial or military vessels as Third Assistant Engineer or higher (or Navy / USCG equivalent).
- Transportation Worker Identification Credential (TWIC)
- Valid USCG Medical Certificate - STCW expiry
- Bachelor's Degree preferred.
- Valid US Passport
- Prior teaching experience preferred.

This job description reflects the general duties of the job but is not a detailed description of all duties which may be inherent to the position. The Academy may assign reasonably related additional duties to the individual employees consistent with policy and collective bargaining agreements

PHYSICAL REQUIREMENTS

- Candidate must pass a pre-employment physical examination or have a valid USCG STCW Med Cert, drug test, and be deemed fit for duty at sea.
- The physical requirements as outlined in the NVIC 04-08, as updated periodically by the U.S. Coast Guard, are herein incorporated.
- Exerting up to 50 pounds of force occasionally, and/or up to 30 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.
- Ascending or descending ladders, stairs, scaffolding, ramps, poles and the like, using feet and legs and/or hands and arms.
- Tolerate exposure to extreme weather conditions including, rain, snow, sleet and high winds and extremes of temperatures.
- Use hands to manipulate objects, tools or controls.
- Reach and work overhead with arms and hands.
- Open and close water-tight doors of 55 pounds or more.
- Work in areas of high noise and or low light.
- Work aloft at heights above 6 ft.
- Work in confined spaces

SPECIAL CONDITIONS

- Participation in MMA's USCG Approved drug testing program is required.
- Tobacco-free employer
- Criminal background check required

Tobacco Free Notice

For the health and well-being of our community, the Maine Maritime Academy campus and vessels (ashore and afloat) are smoke- and tobacco-free as of August 1, 2016.

Updated March 2025

Wage Grade: 30