MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

Second Assistant Engineer (Training Vessel) - 2450

POSITION OVERVIEW

The 2nd Engineer reports to the Chief Engineer or his/her designated subordinate and assumes duties as assigned. Employee may supervise other engineers and unlicensed personnel assigned to the engine department. Employee will operate and maintain various machinery in the engine room and oversee and assist in various engine room maintenance projects. In addition, the employee will assist with student maintenance classes and student training evolutions. Employee must possess a current USCG issued 2AE License (Unlimited HP Motor) or higher grade license. A bachelor's degree is preferred.

DUTIES

- Performs duties normally assigned to the 2nd Engineer, including fuel oil transfer, maintenance and testing of fuel injectors, maintenance of the fuel oil system and associated piping, maintenance of all purifiers, maintenance and operation of OWS, and maintenance of auxiliary engines.
- Assists the engineering department with general maintenance and repair jobs.
- Assist with all engine and machinery overhauls as directed.
- Maintain records of repairs and testing made.
- Keeps required logs up to date (i.e.: Oil Record Book.)
- Acts as a working supervisor of students during maintenance functions.
- Required to teach Academy courses or labs relating to maintenance on the ship.
- Responsible for learning and abiding by the ship's Safety Management System (SMM) as it relates to the job.
- Assist with the organization, training and execution of emergency drills.
- Comply with all safety PPE requirements.
- Participate in the annual training cruise.
- Be available for call-ins if needed while the ship is berthed in Castine.
- May be required to assist with the maintenance or repair of other academy vessels.
- If properly licensed, perform the First Assistant Engineer's duties during the absence or the incapacitation of the First Assistant Engineer.
- Present a professional appearance, demeanor and work ethic.
- Adherence to MMA policies.
- Other duties as assigned

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 individual employees consistent with policy and collective bargaining agreements.

SKILLS

- Ability to diagnose, repair and maintain various engineering machinery.
- Ability to properly operationally test equipment after repairing same.

- Experienced in the use of hand and power tools.
- Experienced in the use of common machine shop equipment including drill press and lath.
- Experienced with welding, brazing and pipe fitting.
- Ability to master NS5 Maintenance program.
- Good oral and written communications skills.
- Ability to work with a minimum of supervision and with a positive mental attitude.

REQUIREMENTS

- USCG issued 2nd Assistant Engineers License, unlimited HP Motor or higher.
- BS Degree OR two years of experience sailing on a 2nd Assistant Engineers License; BS Degree preferred
- Thorough knowledge of all duties associated with the 2AE position.
- Employee should have recent sailing experience in a licensed capacity aboard motor propelled vessels of 4,000 HP or above.
- Experience with both heavy fuel oil and diesel fuel operations is desired.
- Experienced in watchstanding aboard commercial or military vessels in the engine department as a ship's 3rd engineer or in a higher position.
- USCG issued MMC
- STCW endorsement and USCG medical certificate.
- TWIC.
- Valid US Passport.
- Pre-employment drug test.
- Basic computer proficiency.

SPECIAL CONDITIONS

- Must participate in USCG drug testing program
- Tobacco-free employer
- Criminal background check required

PHYSICAL REQUIREMENTS

- The physical requirements as outlined in the NVIC 04-08, as updated periodically by the U.S. Coast Guard, are herein incorporated.
- Regularly, sit, stand, walk through narrow passages, ascend, descend ladders/stairs.
- 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.
- Lift at least a 40 pound load off the ground, and to carry, push or pull the same load.
- Open and close water tight doors of 55 pounds or more.
- Work in areas of highs noise and or low light.
- Work aloft at heights above 6 ft.
- Work in confined spaces.

Maine Maritime Academy Position Factor Evaluation

Job Title: Second Asst Engineer

Job Code: 2450

Wage Grade: 25

Total Points: 566

	Factor	Degree	Points
1	Knowledge and Skill	7	252
2	Effort		
	I. Mental and Visual Effort	6	48
	II. Physical Effort	4	40
3	Responsibility for Cost Control	6	48
4	Responsibility for Others		
	I. Injury to Others	5	40
	II. Supervisory Responsibility	5	40
	III. Sensitive Information and Records	3	24
5	Working Conditions	5	50
6	Responsibility for External and Internal Relations	3	24

Date of last reclassification 02/1997