

# MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

## Chief Engineer – Training Vessel

### POSITION OVERVIEW

Employee is responsible for the efficient operation of the engine department onboard the **Training Ship State of Maine (TSSOM)**, including operation, maintenance, and safety of all engineering systems and spaces. This is a “hands on” position. Employee must possess a current U. S. Coast Guard Chief Engineer license (unlimited H.P., motor) with recent experience and at least a Bachelor's degree in a relevant field. In addition, the employee is responsible for developing training and evaluation programs for students operating the TSSOM. Employee may provide input for budget and report preparation. Employee has a high degree of public contact representing the Academy.

### DUTIES

- Report to the Master as officer-in-charge of ship's engineering department.
- Coordinate with ship owner (MARAD) to provide support of contractor repairs to the vessel.
- Submit, track, and direct execution of regulatory and class inspections and correction of deficiencies.
- In cooperation with ship owner (MARAD), analyze and plan preventive maintenance programs, system upgrades and repairs. Implement and administer vessel NS Enterprise planned maintenance schedule.
- Specify, source, and receive owner (MARAD) furnished and Maine Maritime Academy furnished parts and equipment used in vessel operation and maintenance.
- Report to the Ship's Master concerning other areas of responsibility.
- Responsible for the safety and supervision of all engine department personnel and cadets working onboard STATE OF MAINE.
- Responsible for acquisition of consumable materials and supplies required for the training ship engine department.
- Act as direct representative of Maine Maritime Academy to MARAD surveyor and school-ship program personnel regarding STATE OF MAINE's engineering operations, shipboard maintenance and repair.
- Responsible for ensuring the satisfactory implementation of the Safety Management System and Maine Maritime Academy safety and environmental policies as they apply to the ship's engine department.
- Maintain equipment readiness standards and status per owner (MARAD) guidance and agreements.
- Assist MARAD with the management of annual contractor work packages. Coordinate familiarization training, permits to work, and job safety aspects of all contractor work.
- Track and comply with regulatory mandates, MARAD directives, and budget guidelines to insure MARAD and academic goals are met.
- Ensure compliance with to Federal and International regulations governing safety, pollution control, and environmental protection.
- Monitor engineering systems condition to meet OEM design specifications. As subject matter expert (SME), support Marine Engineering faculty with the integration of OEM specifications into training curricula.

- Manage engineering department currently consisting of three licensed engineering officers and one logistics officer as well as additional officers during for annual sea-terms. Also manage, mentor and direct cadet engineering watch standers.
- Manage and coordinate all on-board cadet engineering watches.
- Support the 1st Assistant Engineer with the management shipboard cadet maintenance and both at sea and during the academic year, ensuring safe and effective cadet to officer ratio.
- During annual training cruise, assist engine training department with STCW competency assessments.
- Advise Maine Maritime faculty, staff, and administration regarding ship specific marine engineering and at-sea training operations.
- Recruit, review and recommend for hire, temporary licensed engineering personnel for watch officer and maintenance officer positions.
- Ensure all engineering staff and cadets are provided training regarding SMS required ship familiarization, emergency procedures, SASH, FERPA and best practices.
- Coordinate training, work assignments, leave and work schedules for engineering personnel.
- Liaise with applicable regulatory bodies and class societies for periodic inspections and surveys.
- In collaboration with TSSOM master and Engineering Department Chair, serves as faculty to the Engineering Department (Up to 15% of effort) and regularly attends Engineering Department and Quality Standards Systems meetings in support continuous improvement of the Marine Engineering Program MEMACU-186).
- Actively participate in all underway training periods and other sea duty including shipyard and mission activation periods away from homeport.
- Chief Engineer is expected to be actively onboard weekdays while the ship is in port and on call 24/7.
- Other duties may be assigned.

## **SKILLS**

- Excellent organization skills
- Ability to prioritize and to handle multiple projects simultaneously
- Good written, verbal and interpersonal skills required; ability to interact with all levels of staff including management
- Strong supervisory skills to manage both staff and students
- Strong customer service skills
- Professional presentation, appearance and work ethic
- Ability to work irregular / extended hours/weeks, including night and weekend duties as required
- Sufficient computer skills to operate shipboard and other automated systems
- Knowledge of Windows Microsoft Office Suite
- Knowledge of ABS Nautical Systems Enterprise NSE Vessel Management Suite
- Ability to work in a student-oriented training environment

***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.***

## **REQUIREMENTS**

- Minimum of Bachelor's Degree; Master's preferred
- Current (in-date) and valid U.S. Coast Guard Unlimited Horsepower/Motor Chief Engineer license with STCW endorsement (requirements for sailing internationally as Chief Engineer of Unlimited Horsepower Motor and Gas Turbine Vessels.)
- Current (in-date) and valid Merchant Mariner Credential
- Current (in-date) and valid STCW Certification
- Current (in-date) and valid TWIC (Transportation Worker Identification Credential)
- Current (in-date) and valid Medical Certification Certificate issued thru USCG, must be valid through "STCW Expiration Date"
- Current (in-date) and valid United States Passport
- At least 2 years of maritime experience as Chief Engineer or military equivalent
- Experience with maintenance tracking software such as NS5 or similar databases
- Current Drug-Free screening certificate and proof of current USCG physical (within last 12 months)

## **PHYSICAL REQUIREMENTS**

- 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. Body agility is emphasized.
- Requires lifting, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, and pulling are required frequently

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JOB TITLE: Chief Engineer - Training Vessel  
WAGE GRADE: 32 (32 MOA)

JOB CODE: 502

UNION: Supervisory  
TOTAL POINTS: 646

	<b><u>FACTOR</u></b>	<b><u>DEGREE</u></b>	<b><u>POINTS</u></b>
1	Knowledge and Skill	8	288
2	Effort		
	I. Mental and Visual Effort	6	48
	II. Physical Effort	2	20
3	Responsibility for Cost Control	7	56
4	Responsibility for Others		
	I. Injury to Others	5	40
	II. Supervisory Responsibility	7	56
	III. Sensitive Information and Records	4	32
5	Working Conditions	5	50
6	Responsibility for External and Internal Relations	7	56