

MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

Center for Professional Mariner Development Temporary Instructor (multiple)

ABOUT MAINE MARITIME ACADEMY'S CENTER FOR PROFESSIONAL MARINER DEVELOPMENT

The Center for Professional Mariner Development (CPMD) is poised to become a leading light in the maritime training industry. Leveraging the academic excellence and historically proven professionalism of Maine Maritime Academy (MMA), the CPMD will provide industry driven, top-notch training. The Center's focus will not only be in the maritime field but also scale to support emergency response, municipal, federal, emerging technologies, and other field-based needs. In addition, the CPMD will strategically partner with local, state, national, and international organizations to promote innovation and safety through training, cooperation and collaboration.

POSITION OVERVIEW

These are temporary on-call appointments for the duration of the fiscal year. The Academy's fiscal year runs from July 1 to June 30th of the following year. Applicants are encouraged to include all applicable potential courses they are qualified to teach, to include others not listed.

TEACHING

Teaching responsibilities include time spent in the classroom, laboratory, or training vessel(s) and in immediate preparation for these; maintaining and improving competence in subjects being taught; preparing contemporary teaching materials; conferring with students on course materials; reviewing written examinations and papers; and assigning grades according to existing Academy policy.

DUTIES

- Teaching continuing education students in the area(s) assigned.
- Assist CPMD with STCW renewal updates and language of courses when needed.
- Assist in the development of courses, learning materials and maintaining records to monitor student progress, achievements, and attendance.
- Participate in the development, administration, and execution of exams and assessments.
- Provide advice and support to students.

ESSENTIAL SKILLS

- Knowledge of subject matter
- Teaching and other forms of public presentation.
- Ability to write clearly and tailor communication style to meet the needs of the recipient.
- Commitment to high quality teaching & fostering a positive learning environment for students.
- Ability to adapt course to changing technological requirements and world situations.
- Some courses require knowledge of and experience aboard a variety of vessels.
- Some courses require knowledge and ability to use simulator technology.
- Commitment to MMA's policy on equal opportunity and the ability to work harmoniously with colleagues and students of all genders, cultures, and backgrounds.
- Excellent interpersonal, organizational, and communication skills are essential.
- Ability to maintain composure in stressful situations.
- High degree of professionalism.
- Ability to work collaboratively.
- Demonstrated integrity and ability to maintain confidentiality.

MINIMUM QUALIFICATIONS

- Proficiency and experience in the relevant subject matter.
- Teaching or other forms of public presentation.
- U.S. Coast Guard approval will be required to instruct STCW classes.
- Bachelor's degree preferred.

SPECIAL CONDITIONS

- Background check is required.
- Smoke and tobacco free campus.
- Position may require weekends and/or evening duties.

PHYSICAL/ENVIRONMENTAL FACTORS

- Typical classroom and office environment in multi-story buildings.
- Require use of computer, keyboard, and monitor.
- May require frequent standing, walking, and/or climbing and good balance; being aboard vessels; and working in a variety of weather conditions.

COURSES/POSITIONS AVAILABLE

Able Seaman: Entry level course provides you with the knowledge, understanding and proficiency to work safely and efficiently aboard today's merchant vessels as a mariner with an AB Unlimited, AB Limited or AB Special license.

Advanced Meteorology: This course is aimed at developing an in-depth understanding of meteorology, weather forecasting, ocean science and weather routing skills for the management level, *i.e.* Chief Mates and Masters.

Advanced Polar Code Operations: Blended learning course consisting of a 40-hours curriculum for mariners who are employed, or may be employed, on vessels transiting the Polar Regions and meets the mandatory training requirements in Chapter 12 of the International Code for Ships Operating in Polar Waters (Polar Code).

Advanced Shiphandling: Course will provide students with practical theory and understanding of shiphandling in various maneuvering situations encountered while navigating a vessel. Students will apply lecture material to practical simulator exercises designed to meet the assessment standard of this course.

Advanced Watchkeeping: To provide the student with an in-depth understanding of watchkeeping arrangements and procedures, related international regulations, collisions avoidance, traffic separation schemes, and bridge resource management, and communication skills for deck officers at the management level.

Automatic Radar Plotting Aids: This course provides students with the theoretical understanding and practical knowledge to operate and use marine ARPA equipment.

Basic Polar Code Operations: This is a blended/online USCG approved course which meets the STCW mandatory minimum requirements for training and qualification of masters and officers on board ships operating in polar waters.

Basic Shiphandling: Students practice turning circles and stopping distance in deep and shallow water, man overboard procedures and basic anchoring.

Basic Training Refresher: The course covers all the competencies of Personal Survival Techniques, Personal Safety & Social Responsibilities, Basic Fire Fighting, and First Aid & CPR

renewal. Open to all seafarers who have previously been certified in Basic Safety Training but do not have one year of sea time in the last five years for renewal of their endorsement for BST.

Basic Training Revalidation: The course covers all the competencies of Ocean Survival and Basic Fire Fighting. Open to all seafarers who have previously been certified in Basic Safety Training, and have one year of sea time in the last five years and need to renew their endorsement for Basic Training.

Bridge Resources Management: this course will satisfy the training requirements of 46 CFR 11.309(a)(4)(vii); 11.319(a)(4)(vii); and of Section A-II/1, Table A-II/1, and Section A-II/3, Table A-II/3 of the STCW Code.

Cargo Handling & Stowage: teaches students required duties by the deck watch while loading and discharging cargo in port and care of the cargo in transit. Cargo planning, cargo stowage and securing, cargo segregation and inspection and preparation of holds will also be discussed.

Celestial Navigation: This course covers how to find position at sea from timed sextant sights of the sun, moon, stars, and planets plus other routine and special procedures of safe, efficient offshore navigation.

Chief Mate to Master Series

- Advanced Stability
- Advanced Navigation
- Advanced Cargo
- Medical Person in Charge – Management of Medical Care

Crisis Management & Human Behavior: This course is for individuals to learn to assist passengers in emergency situations, control passenger responses, and the tools for effective communication.

Crowd Management: The central objective of the course is to meet mandatory training requirements for mariners with applicable duties aboard RO-RO Passenger vessels and other ships.

DHS/FEMA Maritime First Responder Course Series

- Maritime Security Awareness for Military, First Responder and Law Enforcement Personnel
- Command Strategies and Tactics for Marine Emergencies
- Tactical Boat Operations for Maritime Security and LE personnel
- Public Safety Rescue Swimmer
- Emergency Medical Operations in the Maritime Domain

Diving First Aid for Professional Divers: This course is specifically designed for commercial, professional, and scientific divers along with aquarium staff and volunteers or people who utilize diving equipment as part of their job in these work environments. For both dive masters and dive instructors, it provides a review of rescue management skills in order to maintain active certification.

Electronic Chart Display Information Systems: The course will allow for the practice and demonstration of the required functions of ECDIS as the primary means of navigation in undertaking the duties of the Officer in Charge of a Navigation Watch.

Electronic Navigation: This course covers the theory and practical use of electronic navigational aids.

Engine Room Resource Management: GAP Assessment course satisfies the 46 CFR training requirements along with the specific tasks that are found in course NVIC.

Emergency Procedures: Students learn procedures for dealing with emergency situations and the training that is necessary to maintain an effective response.

Environmental Regulations & Ethical Industrial Compliance: This course is designed to educate mariners serving on United States registered vessels and those who work with them, about environmental regulations governing their industry. EREIC emphasizes environmental regulations, laws, and compliance issues for mariners working both at sea and in port, and for those in industry at the management level.

Fast Rescue Boat: Upon completion, student will be able to handle and take charge of such boats during or after launch in adverse weather and sea conditions. They will be skilled in the operation of the fast rescue boat engine, the correct use of all locating devices, including communication and signaling equipment between the rescue boat, helicopter, and ship.

First Aid & CPR: This U.S. Coast Guard approved course is designed to renew your certification for Elementary First Aid and CPR. This course is also approved by the ASHI standards.

Fishing Vessel Drill Instructor: This course will satisfy the requirements of 46 CFR 28.270 and 46 CFR 28.265. Practical assessments will be the required drills to be conducted including Abandon Ship, Fire Fighting, Flooding, and Man Overboard.

Helicopter Underwater Egress Training: This course is designed for both the swimmer and non-swimmer to practice or learn aquatic emergency response skills and maximize the chances of surviving an emergency at sea during travel over/on the water.

Inert Gas Systems & Crude Oil Washing: Students will develop a fundamental understanding of the shipboard systems associated with the design and safe operations of inert gas and crude oil wash systems aboard tankers. This course introduces students to the science, design, and safety features of the IGS/COW systems, and the applicable science, mechanics, operational procedures, and regulations.

Global Maritime Distress & Safety Systems: This course is for all deck officers or radio operators serving on vessels equipped with GMDSS Equipment or candidates for OOW 3000 ton or over or MCA Master of Code Vessel 200 ton with Unlimited Route.

Leadership and Managerial Skills: GAP Assessment course satisfies the 46 CFR training requirements along with the specific tasks that are found in course NVIC.

Management of Electrical & Electronic Control Equipment: GAP Assessment course satisfies the 46 CFR training requirements along with the specific tasks that are found in course NVIC.

Maritime Cybersecurity: This course provides an overview of cyber network defense, attack, and exploit in the maritime domain.

Offshore Wind Energy Training: This course presents tactics, training, and procedures specifically for mariners working in the wind energy sector.

Personal Safety & Social Responsibilities: This course covers shipboard management responsibilities, emergencies, safe working practices, fatigue management, health and hygiene, drugs and alcohol, marine environmental issues, and communication and teamwork. There is a written exam to check for theory and understanding of course material.

Personal Survival Techniques: The course covers the following: emergency situations, evacuation, survival craft, personal life-saving equipment, and survival at sea. There is a written

exam for theory. The practical assessment is completed in the Academy's indoor pool by the instructor.

Proficiency in Survival Craft: The purpose of this course is to train personnel in the proper actions involved in taking command of, launching, and handling of a survival craft during an emergency evacuation/abandonment.

Qualified Assessor: This course is intended to provide the "already qualified" seafarer instruction and training in assessment techniques of competency, as well as appropriate guidance in assessment methods and practices.

Radar Observer (Unlimited) Recertification: For all deck license holders who are completing their 5-year license renewal.

Safety Management Systems Auditor Training Courses:

- ISO 9000 & 9001 Quality Management Systems
- ISM, International Safety Management
- DPA, Designated Person Ashore
- Subchapter M Auditing

This course is for individuals who are interested in obtaining Subchapter M and auditor training along with managers, consultants, and executives who are eager to learn more information regarding Subchapter M. This course will begin your understanding and training third-party auditors the auditing process. This course will also discuss ISO and ISM auditing and how it all ties back into Subchapter M and its audits on towing and other small vessels.

Section 608 Certification Exam: Section 608 of the Federal Clean Air Act requires persons who work with or purchase regulated refrigerants for stationary equipment to become certified through a closed book exam.

Shipboard Management: Course attendees will gain knowledge and understanding of maritime business practices, maritime law necessary to operate a vessel at the management level, crew training techniques, employee counseling and evaluations, safety and shipboard medical care.

Ship Construction & Basic Stability: Through this course, trainees will become conversant in ship construction and proficient in basic stability and trim theory and its practicable applications.

Tank Ships Dangerous Liquids: This course is designed to satisfy the minimum standards of competence required for Tankships Person in Charge (DL) and Advanced Oil & Chemical Tanker Operations. It is a comprehensive course providing training for Masters, Chief Engineers, Chief Mates, and other officers and/or seafarers with immediate responsibilities for loading, unloading, care in transit, handling of cargo, tank cleaning or other cargo related operations on oil tankers or tank-barges.

Terrestrial & Coastal Navigation: Areas covered include terrestrial coordinates, nautical charts, navigation publications, plotting and position lines, navigation aids, compass corrections including Azimuths and Amplitudes, charts and chart work, logbooks and voyage planning.

Vessel Personnel with Designated Security Duties: Course content will provide the knowledge required for facility and vessel personnel who are assigned specific security duties in connection with either a Facility Security Plan (FSP) or Vessel Security Plan (VSP) to perform their duties.

Vessel Security Officer: This course trains vessel personnel with and provides awareness of security responsibilities. Topics include emergencies, reporting, audits, threats, and knowledge of the ISPS code.

Visual Communication: training and assessment of visual communication through flashing light in accordance with Morse code.

Watchkeeping: This training course covers the objectives of Bridge Resource Management (BRM), Bridge Team Work, Navigational Watchkeeping procedures includes exercises in passage planning, BRM practices and situational awareness.

Further details on many of the above courses can be found here:

<https://mainemaritime.edu/continuing-education/courses/>