



SEA EDUCATION ASSOCIATION

Environmental Studies at Woods Hole and at Sea

Job Posting

Vessel Systems Manager

Sea Education Association (SEA), www.sea.edu, invites applications for the permanent, fulltime position of Vessel Systems Manager. SEA is a non-profit educational institution located in Woods Hole, MA, which offers innovative and rigorous oceanography and environmental science programs on our campus and aboard our state-of-the-art sailing research vessels, *SSV Corwith Cramer* and *SSV Robert C. Seamans* in the Atlantic and Pacific Oceans.

We are an equal opportunity employer and committed to the development of a multicultural environment. We strongly encourage applications from people of color, persons with disabilities, women, and LGBTQ+ candidates. We value input of multiple viewpoints and perspectives across the organization. Our goal is to create an academic and working community which is rich with cultural, social and intellectual diversity.

Position Summary

The Vessel Systems Manager will play a vital role in supporting and promoting the ongoing operation of SEA's two sailing school vessels. They will work alongside the Senior Sailing Engineers and Marine Operations staff in support of overall ship systems and engineering operations. This position requires an individual to be able to multi-task effectively, be flexible and innovative, and possess excellent communication skills. The ability to work as part of a team is also essential to this position. The Vessel Systems Manager may also have the opportunity to sail as an operating engineer aboard either vessel as needed. This position requires the flexibility to be able to meet the needs of our sailing school vessels, including frequent work during non-traditional work hours (nights and weekends) and possible international and domestic travel.

The Vessel Systems Manager reports to the Director of Marine Operations.

Primary Responsibilities

- Lead the continued advancement of SEA's Engineering community. This will include recruiting and scheduling Chief and Assistant Engineers for work onboard. Working directly with the Marine staff to schedule Engineers for short term and long term work agreements. Participate in the training of current and prospective Engineers and identifying opportunities for professional development.
- Coordinate with the sailing Engineers to ensure operations are ready for program on the *Corwith Cramer* and *Robert C. Seamans*.
- Cultivate and maintain relationships with regulatory agencies. This includes working closely with the US Coast Guard, American Bureau of Shipping and

Environmental Protection Agency to ensure ongoing regulatory compliance in SEA's operations.

- Oversight of shipboard systems, including propulsion, electrical, plumbing and information technology
- Collaborate with Marine staff on ship maintenance schedules including dry dockings and inspection periods.
- Coordinate with other department heads to ensure shipboard equipment is operational and serviced.

Additional Responsibilities

Supervise Senior Operating Engineers schedule and expectations

- Collaborate on the following shared responsibilities:
 - Oversee and record preventative maintenance performed on shipboard equipment
 - Compile the annual operations budget and oversee engineering operations expenses
- Support the sailing engineers to ensure all operations needs are met. This may infrequently require assisting with tasks primarily managed by the Senior Chief Engineers:
 - Shore-based support to aid in troubleshooting, servicing, and maintaining on-board equipment and systems across departments
 - Plan and coordinate maintenance periods in collaboration with Academic Program and Marine Operations staff
- Collaborate with other Marine Operations staff to:
 - Ensure timely coordination of logistics for vessel arrivals and departures and as well as other at-sea activities.
 - Establish system maintenance schedules and upgrade priorities
 - Identify and attend industry training opportunities
- Other duties as assigned

Professional Development

The Vessel Systems Manager will have the opportunity to attend or instruct SEA's crew training courses on campus in Woods Hole. They may also represent SEA at industry specific events and functions or represent SEA in the UNOLS RVTECH forum.

Position Requirements

Minimum Qualifications

- BS in Marine Engineering, related field, or equivalent experience
- USCG Merchant Mariner Credential (AB or QMED minimum)
- 5-7 years of relevant supervisory experience
- Familiar with research vessel or sailing school vessel operations
- Excellent interpersonal skills, both verbal and written
- Experience overseeing or managing staff and/or volunteers
- Experience recruiting and hiring
- Support for diversity, equity, and inclusion in developing crew teams and institutionally

- Experience communicating with federal and international government agencies
- Demonstrated project management and organizational skills
- A demonstrated ability to establish and maintain positive relationships with colleagues, staff, students and outside agencies
- Experience teaching undergraduate level students in experiential, outdoor learning environments
- This position may require the ability to work for extended periods in an area exposed to weather during day and night hours. The position requires the ability to maintain vessel safety while executing the details of directing and teaching students.
- Shipboard duties require the physical ability and agility to quickly move and react to events on deck, to access below decks (ladders and companionways are provided), to climb aloft (ladders provided), and to live and work in confined spaces. Life at sea demands the physical, psychological, and emotional ability to adapt to a ship's watch schedule, to work in groups or alone (sometimes in remote un-monitored spaces), to withstand extended periods of time on a moving vessel without daily access to shore resources, and in case of an emergency to perform emergency duties under adverse circumstances.

Preferred Qualifications

- USCG Merchant Mariner Credential (Designated Duty Engineer or higher endorsement)
- Familiar with Sailing School Vessel Code of Federal Regulations
- Familiar with American Bureau of Shipping inspections
- ABYC certifications
- Experience as a surveyor or related service
- Wilderness First Responder (WFR) or higher advanced medical certification.
- Experience managing vessel operations software

Benefits and Compensation: The salary range for this position is \$50,000 - \$58,000, commensurate with experience. SEA offers a full benefits package which includes health, dental, vision and life insurances; retirement plans; Aflac; flexible spending accounts; and generous vacation/sick/personal time and holidays.

How to Apply: Please submit resume, cover letter and 3 professional references to VSMSearch@sea.edu. Applications will be accepted until position is filled.