



Empowering generations of students of all ages and backgrounds to become environmental stewards and transform their world through on-the-water experiences

Call of the Sea (COTS)

Job Description

Engineer

Seasonal

Call of the Sea (<https://callofthesea.org/>) is a 501(c)(3) educational sailing nonprofit that provides inclusive and equitable access to on-the-water science based educational programs that foster connection to the watershed and ocean. We aim to increase coastal access and empower people of all ages and backgrounds through experiential and environmental education on the water. We operate two tall ships, the 82' schooner *Seaward* and the 132' brigantine *Matthew Turner* in one of the world's great cities and most beautiful and challenging sailing locations.

Call of the Sea strives to hire and support motivated staff who share backgrounds and experiences with the diverse communities we serve.

Compensation: \$3,200/month plus room and board

Qualifications:

- Minimum 2 years experience in shipboard engineering
- Experience in outdoor education
- Seamanship skills
- Excellent communication and leadership skills
- Experience with community living

Position Description: This is a liveaboard position working 5 days a week with 2 days off. The job will be primarily focussed on the Brigantine *Matthew Turner*, however the engineer may be asked to assist at times on the Schooner *Seaward*.

Matthew Turner (132ft, 98 GT) is a wooden-hulled brigantine built in 2019, and certified by the USCG in 2020. She is one of the only electric hybrid USCG inspected passenger vessels in the U.S. As such, the Engineer must be able to quickly learn and understand the nuances and complexities of this propulsion system and be able to manage unique electrical systems. Ability to understand wiring schematics, troubleshoot Can-bus networks and use integrated proprietary software is essential. The Engineer will also be required to receive training on ESS/Battery management for safe operation of the vessel. *Matthew Turner* sails a robust daytime sailing schedule throughout the year, with the possibility of some short 4-day near coastal voyages.

Seaward (82ft, 68 GT) is a steel-hulled staysail schooner built in 1988 with recently upgraded systems throughout. *Seaward* sails in San Francisco Bay running day programs, as well as Near Coastal overnight programming between SF and Monterey.

The Engineer will ensure that the engineering systems on COTS' vessels are maintained and operated in a safe manner.



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Primary Responsibilities

- Maintain a clean and tidy engine room, participate in the daily cleaning of the vessel
- Perform daily pre-departure checks on the ship's propulsion system and monitor its operation while in use
- Maintain all engineering equipment in good working order by following the preventative maintenance plan
- Learn hybrid system including Li-ion battery management and CANbus troubleshooting, communicate with vendors to assist in troubleshooting
- Monitor hybrid system using diagnostic software
- Train crew on proper use of potable water and wastewater systems, ensure that they are being used correctly
- Train crew on proper use of bilge and fire pumps
- Troubleshoot any unexpected issues
- Maintain inventory of spare parts for all engineering equipment
- Keep worklists and maintenance records up to date in designated google drive documents
- Assist with educational programming including interacting with students, teachers, and the public
- Ensure that all engineering related projects are completed safely and in a timely manner
- Report any issues to the Capt and Port Engineer
- Learn safety procedures and how to use safety equipment
- Assist on deck during daysails

COTS prides itself in diversity and its Diversity, Equity, and Inclusion (DEI) culture. The highest standard of personal conduct and accountability is expected.

Call of the Sea does not and shall not discriminate on the basis of race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status, in any of its activities or operations. These activities include, but are not limited to, hiring and termination of staff, selection of volunteers and vendors, and provision of services. We are committed to providing an inclusive and welcoming environment for all members of our staff, volunteers, subcontractors, vendors, and members of the public.

Hiring Process: Please fill out the form at <https://callofthesea.org/work-with-us/> and submit a cover letter, resume and references.