**JOB DESCRIPTION**

**Marine Technical Specialist**

**Definition of Class**
This is a non-supervisory position in which the incumbent assists in maintaining the physical condition of a functional off-shore research vessel. The incumbent routinely performs the physical, mechanical and electrical maintenance of the vessel and assists the captain in vessel navigation. The incumbent is responsible for maintaining safety equipment and ensuring compliance with Coast Guard safety regulations. The incumbent is under the general supervision of the Staff Engineer.

**Examples of Work Performed**
Maintains the physical condition and maintenance of the research vessel. Routinely performs upkeep of the vessel and all mechanical and electrical components; and maintains proper maintenance records for mechanical and electrical systems.

Maintains physical maintenance of the vessel's superstructure including hull, deck, and cabin (carpentry, painting, and plumbing).

Performs mechanical maintenance and repair, including upkeep of diesel engines, generators, compressors, navigation system, hydraulics, ship's auto pilot, deck winches, capstan, booms, and A-frame, fuel tanks, water tanks, bilge pumps.

Performs electrical maintenance and repair, including AC generators and wiring, 12 and 24 volt DC battery banks and wiring; grounding; and navigation and communication electronics.

Performs annual maintenance, including special carpentry, mechanical and electrical repairs and complete retrofitting as required.

Assists captain in handling vessel at sea. Assists captain in docking, anchoring, maneuvering vessel, and deployment of geophysical and geotechnical sampling tools.

Assists with radio operations and navigation.

Implements and assures compliance with Coast Guard regulations and standard safe operational practices.

Maintains safety equipment.

Performs similar or related duties as assigned or required.

**Essential Functions**
These essential functions include, but are not limited to, the following. Additional essential functions may be identified and included by the hiring Department.

1. Assists in maintaining the physical condition of a functional off-shore research vessel.

2. Maintains safety equipment and ensures compliance with Coast Guard safety regulations.

**Minimum Qualifications**
These minimum qualifications have been agreed upon by Subject Matter Experts (SMEs) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related
education and experience, demonstrating the ability to perform the essential functions of the position. Any request to substitute related education or experience for minimum qualifications must be addressed to The University of Mississippi's Department of Human Resources in writing, identifying the related education and experience which demonstrates the candidate's ability to perform all essential functions of the position.

**Physical Requirements:** These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements.

- **Physical Exertion:** The incumbent may be required to lift up to approximately 100 pounds.
- **Vision:** Requirements of this job include close vision and color vision.
- **Speaking/Hearing:** Ability to give and receive information through speaking and listening.
- **Motor Coordination:** While performing the duties of this job, the incumbent is frequently required to use hands to finger, handle, or feel, objects, tools, or controls; maintain balance; and reach with hands or arms. The incumbent is occasionally required to stand; walk; sit; crawl; and stoop, kneel, crouch or bend.

**Experience/Educational Requirements:**

- **Education:** Graduation from a standard four-year high school or equivalent (GED).

**AND**

- **Experience:** One (1) year of experience related to the above described duties.

**Interview Requirements**

Any candidate who is called for an interview must notify the Department of Human Resources in writing of any reasonable accommodation needed prior to the date of the interview.

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