

# MORGAN STATE UNIVERSITY JOB SPECIFICATION



## **MARINE RESEARCH VESSEL FIRST MATE**

Class Code: N1066  
Pay Range: 8

FLSA Code: N/E (Non-Exempt)

### **JOB SUMMARY**

Under general supervision, performs duties and tasks associated with the operation, navigation, and maintenance of inland and coastal research vessels of up to 100 gross tons. Occasionally performs complex duties and tasks associated with the Master, Research Vessel specification.

### **PRIMARY DUTIES**

1. In the absence of the Master, assumes full responsibility for the operation, navigation and maintenance of the vessel.
2. Uses electronic navigation equipment such as radar, loran, and fathometer to position vessel on station and in relationship to bottom, land, shoals, navigation aids, and other vessels.
3. Handles vessel during docking/undocking; maintains vessel position during deployment of scientific sampling gear.
4. Assists in the planning and actively participates in performing modifications to the vessel. Performs routine maintenance and repair to diesel engines, generators, and other shipboard equipment.
5. Plans, prepares and serves up to three meals a day. Purchases food; requisitions and purchases minor equipment and supplies.
6. Maintains interior and exterior of vessel in a clean and sanitary condition.
7. Dispenses diesel fuel into vessel's tanks; fills fresh water tanks.

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8. Operates winches to anchor vessel or deploy scientific sampling gear.
9. Rigs trawls, dredges, submersible pumps, and other scientific sampling gear for over-the-side deployment. Loads and unloads gear.

**Note:**

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

**MINIMUM QUALIFICATIONS**

**EDUCATION:** High School Diploma or GED

**EXPERIENCE:** Five years in the operation, maintenance, and repair of vessels of at least 30 feet in length.

**LICENSE:** Current U.S. Coast Guard license "Master of Inland Stream and Motor Vessels of not more than 50 Gross Tons". Current Federal Communications Commission "Marine Radio Operator Permit".

**REQUIRED KNOWLEDGE/SKILLS/ABILITIES**

General knowledge of inland and coastal vessels and related propulsion and auxiliary equipment; of the operation, navigation, and maintenance of such vessels; of the Federal, State, and local regulations governing their operation. Ability to use radar, loran, fathometers, marine radios, and other navigational instruments to navigate on inland and coastal waters; general knowledge of Chesapeake Bay and its tributaries. General knowledge of boat construction, diesel engines, generators, plumbing, electrical circuits, and carpentry. Ability to plan, prepare and serve meals; to purchase provisions and other minor supplies; to operate a winch and other simple hoisting mechanisms. Ability to supervise and provide instruction to crew; to oversee the maintenance of logs and other records; to understand and follow oral and written instructions; to communicate effectively. Ability to work in, on, around, over and under fixed equipment or machinery; to work at heights up to 50 feet; manipulation of heavy equipment, tools, supplies and/or exertion of force up to 70 pounds; to concurrently manipulate multiple controls on machinery and equipment; to work in hazardous or irritating environments, confined spaces and under adverse weather or temperature conditions; to wear and work in personal protective equipment.

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**OTHER:**

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

**CONDITIONS OF EMPLOYMENT**

Candidates selected for employment may be subject to medical inquiries and/or medical examinations and drug test (per U.S. Coast Guard requirements) to determine physical ability to perform the job. Weekend, holiday, shift work, on-call and overnight travel will be required. Valid Maryland Non-commercial Class C or equivalent driver's license may be required.