



## University System of Maryland Job Class Specification

**TITLE: MARINE RES VESSEL MATE ENGINEER**  
**FLSA: NONEXEMPT**  
**EEO6: H60**  
**IPEDS-SOC: 53-5031**

**JOB CODE: N13RVW**  
**JOB TYPE: INST SPECIFIC UMCEES**  
**JOB FAMILY/SERIES: MAR**

**APPROVED BY: Assistant Vice Chancellor JoAnn Goedert**    **EFFECTIVE DATE: 3/7/2013**

### **JOB SUMMARY**

Under general supervision, performs duties and tasks associated with the operation, maintenance and repair of a 78 gross ton, 2,410 horsepower inland/near coastal oceanographic research vessel.

### **PRIMARY DUTIES**

1. Uses electronic navigation equipment and dead reckoning to navigate vessel in relationship to bottom, land, shoals, aids to navigation and other vessels.
2. Operates winches and A-frames to anchor vessel or to deploy scientific sampling gear.
3. Rigs trawls, dredges, submersible pumps and other scientific sampling gear for over-the side deployment. Loads and unloads gear.
4. Helps to maintain interior and exterior of vessel in a clean and sanitary condition.
5. Purchases food, minor equipment and supplies. Plans, prepares and serves simple meals to crew and science party.
6. Performs routine maintenance and minor repairs to diesel engines, generators, winches, and other shipboard auxiliary machinery and equipment.
7. Ensures that adequate supplies, spare parts, lube oil and preventative maintenance items are maintained.
8. Maintains cleanliness of engine room, auxiliary machinery room and jet space.
9. Dispenses diesel fuel into vessel's fuel tanks. Fills potable water and toilet flush tanks. Pumps sewage holding tanks.

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 50 feet in length.

OTHER: LICENSE: Current USCG License as "Master of Inland Motor Vessels of not more than 50 Gross Tons".

Current Transportation Worker's Identification Credential (TWIC)

Current Federal Communications Commission "Marine Radio Operator's Permit"

**REQUIRED KNOWLEDGE/SKILLS/ABILITIES**

General knowledge of inland and coastal vessels and related propulsion, auxiliary equipment and safety/emergency gear; of the operation, navigation, and maintenance of such vessels. Ability to use electronic navigation instruments to safely navigate a vessel on inland and coastal waters; general knowledge of Chesapeake Bay and its tributaries. Must have knowledge of boat construction, diesel engines, generators, marine HVAC, marine sanitation, AC and DC electrical circuits and carpentry. Skilled in the use of hand and power tools necessary to perform job. Ability to plan, prepare and serve simple meals; to purchase provisions and other minor equipment and supplies. Must be able to operate and maintain winches, A-frames and other hoisting mechanisms. Ability to provide instruction to scientific party; 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 35 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.

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 drivers license is required.