

Class Code.....0873  
Position #: (PTAA).... (NE)  
Developed by.....WLF  
Reviewed by.....DLJ  
Approved by.....  
Date.....12/17

**UNIVERSITY OF RHODE ISLAND**

**Position Description**

**TITLE:** Ship's Technician IV  
**DIVISION:** Academic Affairs (GSO)  
**REPORTS TO:** Ship's Technician V  
**GRADE:** 13  
**SUPERVISES:** Ship's Technicians I, II, III and interns

**BASIC FUNCTION:**

Provide expert technical support for science missions at sea. Plan, supervise and participate in deck science operations. Operate, calibrate, maintain, and troubleshoot various types of scientific instrumentation and shipboard computers and networks at an advanced level. Ensure integrity of scientific data collection systems and the safekeeping of collected data.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

Participate in oceanographic research cruises of up to 35 days duration aboard URI research vessels or other vessels as assigned for up to 120 days per year.

Operate, maintain and troubleshoot equipment such as CTDs, water samplers, sonars, winches, oceanographic cable, satellite communication systems and navigation systems. Design and perform upgrades on equipment and systems.

Act as Network System Administrator for network of shipboard scientific computers; ensure accuracy, integrity and backup of collected data.

While at sea, serve as the science party interface with the ship's crew. Plan and supervise science operations on deck. Assist science party in use of shipboard equipment.

Supervise and follow proper protocols for use and storage of hazardous materials.

Write documentation and reports.

When ashore, perform preventative and corrective maintenance of oceanographic electronics and equipment. Design and perform upgrades on equipment.

Occasionally work on weekends or after hours to prepare for sea-going operations.

**OTHER DUTIES AND RESPONSIBILITIES:**

Perform other duties as required.

**LICENSES, TOOLS AND EQUIPMENT:**

Must possess (or be capable of obtaining) and maintain a valid driver's license, U.S. passport, and Transportation Worker Identification Credential (TWIC). Must have, or be willing to obtain, certification to operate forklifts.

**ENVIRONMENTAL CONDITIONS:**

This position is subject to adverse environmental conditions due to working at sea for prolonged periods on a moving platform. Physical work on deck in severe and inclement weather is routinely required. There is occasional work in confined spaces at 8 psi. The ability and willingness to climb vertical ladders and work at heights with proper safety equipment is required.

**QUALIFICATIONS:**

**REQUIRED:** Bachelor's degree in engineering or science with a minimum of five years of experience (with at least two years of experience in a position involving sea duty where the primary responsibility was operation and maintenance of science mission equipment); Demonstrated ability to troubleshoot and repair computer systems and computer networks; Demonstrated experience in advanced personal computer literacy; Demonstrated physical capability to work on board ship for eight to twelve hour shifts for the duration of a science mission; Demonstrated ability to go to sea for up to 35 days at a time; Demonstrated ability to perform physical work on deck in severe and inclement weather; Demonstrated strong interpersonal and verbal communication skills; Demonstrated proficiency with written communication skills; Demonstrated experience working in a close-quarters work environment; Demonstrated ability to work collaboratively; Demonstrated willingness to work flexible hours as required to support mission requirements; and, Demonstrated ability to work with diverse groups/populations.

**PREFERRED:** Demonstrated advanced degree in engineering or science; Demonstrated experience designing or repairing electronics; Demonstrated experience in operation, maintenance, troubleshooting and data analysis of - CTD, MOCNESS, ADCP, oceanographic sonars, MC-800 multicorer; Demonstrated experience with mechanical design and machine shop skills; Demonstrated experience in scientific programming of computers and/or computer networks; Demonstrated experience in repair of satellite communications systems; Demonstrated experience in carpentry, plumbing and mechanical repair; and Demonstrated experience in seamanship and navigation.

**ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.**