

Job Code:..... 101405
Position #: (PTAA)... (NE)
Developed by:... BL, LVU
Reviewed by: DLJ
Approved by:..... LK
Date:01/18; 08/19; 12/19

UNIVERSITY OF RHODE ISLAND
Position Description

TITLE: Technician, Ocean Engineering
DIVISION: Academic Affairs (Graduate School of Oceanography)
REPORTS TO: Principal Investigator, Department Chair
GRADE: 9
SUPERVISES: Laboratory staff

BASIC FUNCTION:

Program, maintain, and integrate chemical and physical sensors into oceanographic equipment. Support the initiatives and multidisciplinary activities of the labs located at the URI Narragansett Bay Campus.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Manage lab operations and assist with logistics for field deployments, often working with students and postdoctoral researchers.

Perform general computer maintenance, data management, and management of web presence. Perform data processing and analysis associated with fieldwork and instrument deployments.

Once trained, pilot underwater autonomous underwater vehicles and travel for fieldwork, which may include going to sea for up to two months in a twelve month period, including in polar environments.

OTHER DUTIES AND RESPONSIBILITIES:

Perform other duties as assigned.

LICENSES, TOOLS AND EQUIPMENT:

Programming languages (i.e., Python, C/C++, Matlab, etc.); laboratory equipment.

ENVIRONMENTAL CONDITIONS:

This position potentially requires duty at sea in extreme cold or hot temperatures, in addition to the normal hazards associated with sea duty.

QUALIFICATIONS:

REQUIRED: Bachelor's degree in Ocean Engineering, Electrical Engineering, Physics, or related field; Demonstrated scientific computing skills in Python, C/C++, Matlab, or similar programming languages; Demonstrated familiarity with basic circuits; Willingness to travel; Willingness to participate in sea-going fieldwork; Demonstrated strong verbal and interpersonal communication skills; Demonstrated proficiency in written communication skills; and, Demonstrated ability to work with diverse groups/populations.

PREFERRED: Demonstrated experience with circuit design; Demonstrated experience with basic principles of chemistry; Demonstrated experience with basic principles of physics; Demonstrated experience with sea-going fieldwork; and, Demonstrated ability to identify tasks that improve efficiency and ability to pursue those tasks.

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