UNIVERSITY OF RHODE ISLAND
Position Description

TITLE: Associate Marine Development Engineer I

DIVISION: Academic Affairs (Graduate School of Oceanography)

REPORTS TO: Principal Investigator and/or more senior level Marine Development Engineer

GRADE: 12

SUPERVISES: Support staff

BASIC FUNCTION:

Under minimal supervision, participates in the design, fabrication, testing, and operation of laboratory, shipboard, and field-deployed oceanographic equipment and instrument systems in support of scientific research programs. Order components and maintain an inventory of components and supplies for instrument fabrication.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Under minimal supervision, perform the engineering tasks of testing and calibration of instrumentation, including troubleshooting, repairing, and operating mechanical and electronic systems. Perform non-routine engineering tasks as they arise. Assist broadly with the fabrication of scientific instruments. May assist with engineering design projects.

Order components and maintain an inventory of components and supplies for instrument fabrication.

Organize logistics for shipping and cruise preparations. Participate in scientific research cruises.

Write reports on instrumentation development and testing.

OTHER DUTIES AND RESPONSIBILITIES:

Perform other duties as required.

LICENSES, TOOLS AND EQUIPMENT:

Personal computers, printers and word processing, database management and spreadsheet software.
ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions, but the incumbent will likely be required to go to sea for extended periods.

QUALIFICATIONS:

M.S. degree in electrical, computer or ocean engineering, or a B.S. degree in electrical, computer or ocean engineering with at least four additional years of electronics engineering experience, or an A.S. degree in electronics technology with a minimum of eight subsequent years of electronics engineering experience required. The following are required: strong computer skills; ability to communicate effectively verbally and in writing; strong interpersonal skills; ability to go to sea for extended periods of time. Preference will be given to candidates with skills in the following areas: digital circuits, microprocessors, programming (C and MATLAB), electro-mechanical assembly.

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