

# ***JOB OPPORTUNITY BULLETIN***

***As of Friday, July 9, 2010***

<b>Job Title:</b>	Biomedical Technician 1 for Clinical Engineering and BioEngineering		
<b>Department:</b>	Clinical Engineering		
<b>Recruiter:</b>	Marisa Leone		
<b>Search Code:</b>	2011-033	<b>Date Posted:</b>	7/1/2010
		<b>Posting Deadline:</b>	7/15/2010

## **Purpose of Class :**

At the UCHC, this class is accountable for independently performing a full range of tasks in the testing, calibration, maintenance and repair of a wide variety of clinical, radiological, research, dental instrumentation and equipment. This position will be shared between Clinical Engineering and Bioengineering.

## **MINIMUM QUALIFICATIONS REQUIRED**

### **KNOWLEDGE, SKILL AND ABILITY:**

Knowledge of standard laboratory practices, scientific terminology and equipment; knowledge of the basic principles of electronics and mechanics as it applies to testing, repair and maintenance of laboratory instrumentation; interpersonal skills; some computer skills; oral and written communication skills; some ability to fabricate experimental apparatus or modify existing equipment to need; ability to use a variety of hand and power tools; ability to work independently; knowledge of anatomy and physiology and medical terminology; must be knowledgeable and have experience using a variety of calibration and test equipment for medical devices; knowledge of current codes and standards pertaining to the safe use of medical devices in a hospital setting including medical gases and other utilities; ability to interact with clinical personnel in troubleshooting equipment problems; knowledge of human anatomy, physiology, and medical application devices which are critical to resolving problems.

### **EXPERIENCE AND TRAINING:**

#### **General Experience:**

Three (3) years of experience in the maintenance, testing and repair of clinical instrumentation and medical electronics equipment or electronics experience in a hospital setting.

#### **Substitutions Allowed:**

Associates degree in electronics, biomedical equipment technology, electronics or other related field and one (1) year experience servicing medical equipment in the hospital setting..

### **WORKING CONDITIONS:**

Incumbents in this class may be exposed to electric shock from equipment and to exposure to infectious diseases, radiation, toxic and other hazardous substances. Employee may be exposed to highly charged, stressful situations involving medical equipment that malfunctions in critical patient care situations. Employee may be required to repair medical or dental equipment located in a State of Connecticut Correctional Institution. Ability to lift forty (40) pounds and be physically able to maneuver in, under, around medical devices such as beds, stretchers, OR tables, etc. in the course of equipment service activities.

### **SUPERVISION RECEIVED:**

Works under the general supervision of an employee of higher grade.

### **SUPERVISION EXERCISED:**

May lead/supervise lower level employees and students as assigned.

### **EXAMPLES OF DUTIES:**

Specifies, evaluates, installs, troubleshoots, repairs, calibrates and maintains a wide variety of equipment and instrumentation; service responsibilities include repairing, testing and calibrating medical devices that are used in life support situations such as ventilators and defibrillators; conducts performance assurance testing; researches and locates parts for repairs; maintains parts inventory; may fabricate, modify and repair experimental equipment to meet design requirements; may provide in-service education to hospital personnel on operation of equipment and safety issues; may train clinical engineering interns and biomedical engineering students; documents all repairs an performance assurance testing; assists in equipment evaluations and incident investigations; may install or oversee installation of new equipment; develops performance assurance inspection procedures; may evaluate new procedures/equipment; maintains preventive maintenance records; may perform laboratory work in conjunction with researchers/clinicians; troubleshoots equipment problems that are related to patient/device interfaces such as transducers, leads, probes and electrodes; performs related duties as required.

**SCHEDULE:** 40 hour work week, Monday through Friday, 8am - 4:30pm.