



The Cayman Islands Health Services Authority, is the principal healthcare service provider in the Cayman Islands, offering the most comprehensive range of inpatient, outpatient, and public health services through a 124-bed hospital and four District Health Centres on Grand Cayman, an 18-bed hospital in Cayman Brac and a satellite outpatient clinic in Little Cayman.

**We invite applications for the following position:**

### **BIOMEDICAL TECHNICIAN**

**Salary range: CI\$62,316 – CI\$72,615 per annum**

**The Biomedical Maintenance section provides the maintenance for all the Medical/ Dental equipment used by the Health Services Authority, Faith Hospital in Cayman Brac and the Little Cayman Clinic. The Biomedical Technician ensures proper functioning, safety, and sound condition of all medical equipment and that they are in optimum maintenance condition and available for use in the delivery of safe patient care. Supports the Biomedical Engineering staff with installing, testing, calibrating, and repairing biomedical equipment.**

**Primary Responsibilities:** The postholder is responsible for maintaining safe and healthy working environment by conducting incoming inspection of new equipment, installation, corrective, and preventive maintenance safety tests, recommending, and complying with procedures, training, and guiding medical and healthcare personnel and complying with codes. Maintains equipment by assisting with completing preventative maintenance schedules, conducting tests, trouble shooting, and repairing malfunctions. Postholder maintains records and stickers on all equipment ensuring all are up to date and complies with Joint Commission accreditation requirements. Maintains medical device database including the development of a risk management system for medical devices. Monitors work performed by outside contractors for equipment under service agreements to ensure requirements are met and results are documented. Responsible for keeping current on new developments in biomedical equipment and systems.

**Qualifications and Experience:** The successful candidate must possess an Associates Degree in Electronic Engineering Technology, or Biomedical Engineering Technology or equivalent). A minimum of three years' working experience with biomedical equipment in a clinical engineering environment preferred. The successful candidate should have the ability to read, analyze, and interpret architectural drawings, technical procedures, professional journals, and business periodicals. Basic knowledge of equipment/ machinery inventory management would be required. The successful candidate should possess strong oral and written fluency in English – working knowledge of a second language (i.e., Spanish) would be an asset.

**A remuneration and benefit package, commensurate with experience and qualifications will be offered to the successful candidates of these posts. If you are interested in joining our dynamic team of professionals, please forward your resume and**

**HSA application online to: [hsa.jobs@hsa.ky](mailto:hsa.jobs@hsa.ky) using PDF format.**

**IMPORTANT: All resumes must be accompanied by a HSA Application Form or they will not be**

**considered for processing without this.**

Covid19 Vaccine is required for employment with the Health Services Authority

**Deadline for all positions: December 12, 2021**

## Job Description

<b>Job title</b>	<i>Junior Biomedical Technician</i>	<b>Job Holder</b>	
<b>Reports to</b>	<i>Facilities Manager</i>	<b>Section</b>	<i>Facilities Department</i>

### Background Information

The Biomedical Maintenance section provides the maintenance for all the Medical/Dental equipment used by the HSA, including Faith Hospital in Cayman Brac and the Little Cayman Clinic.

Supports the Biomedical Engineering staff with installing, testing, calibrating, and repairing biomedical equipment.

### Job purpose

Under direction of the Biomedical Engineers assists with the electrical safety, preventative maintenance, and equipment repair programs for biomedical equipment.

### Dimensions

- Postholder does not supervise any other staff.
- Postholder is not responsible for a budget.
- Postholder must assist as necessary to ensure completion of Biomedical work orders in addition to assuming on-call responsibilities for emergency services and repairs.

### Duties and responsibilities

- Installs new equipment by establishing, adjusting, calibrating, and testing performance in compliance with manufacturers recommended specifications under the supervision of senior biomed.
- Maintains equipment by completing preventive maintenance schedules, conducting tests and troubleshooting and repairing malfunctions.
- Prepares customized biomedical equipment reports on request by collecting, analyzing, and summarizing information and trends.
- Carries out research and collects critical manufacturer documentation for the medical equipment and creates the necessary libraries on the HSA intranet with direct links to the Medimizer system.
- Maintains files related to the biomedical department.
- Ability to troubleshoot network and software issues in relation to medical equipment.
- Maintains safe and healthy working environment by conducting safety tests, recommending, and complying with procedures, training, and guiding medical and healthcare personnel and complying with codes.
- Assist with scheduling and performing preventative maintenance according to established procedures.

- Maintain and keep updated a store of medical equipment spare parts and accessories.
- Assist with repairs or replacing defective parts, tests and reinstalls repaired equipment.
- Ability to create Internal Requests on the Oracle Fusion platform
- Assist with maintaining permanent records for each piece of equipment in the Medimizer system which falls under the responsibility of the Biomedical Department. These records are complete and up-to-date at all times.
- Maintains code requirements by assisting with performing and documenting scheduled inspections and conducting electrical safety tests. Ensures all inspections and tests maintains compliance with JCI standards
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- Assists in evaluating new equipment for purchase.
- Responsible for keeping current on new developments in biomedical equipment and systems.
- Participates in performance improvement and information management programs.

### **Qualifications, Experience & Skills Requirement**

- Associates Degree in Computer Science, Engineering, Electrical or a related discipline, with a minimum of three years' working experience in an IT, Engineering or Electrical environment OR Eight (8) years' extensive work experience in an Information Technology related, Engineering or Electrical work environment.
- Previous experience working with biomedical equipment in a clinical engineering environment preferred, but not required
- Basic knowledge of equipment inventory management would be required.
- Ability to read, analyze and interpret architectural drawings, technical procedures, professional journals, and business periodicals.
- Should have strong ability to define problems, collect data, establish facts, and draw valid conclusions-
- Must have a valid driver's license, and available to work weekends, public holidays, on -call or evenings as per operational needs when required.

### **Reporting Relationship**

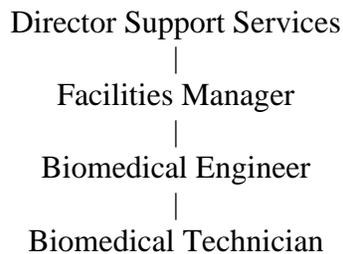
- The postholder must liaise internally with all section supervisors, staff, and physicians, externally with contractors, vendors, and manufacturers.
- Works closely with other departments and administration. Negotiates priorities, plans work schedules, makes job assignments, and orders needed materials, supplies and parts. Recommends uses of outside speciality contractors as circumstances indicate.

### **Direct reports**

None.

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## Other Working Relationships



## Decision Making Authority and Controls

The Biomedical Technician is under the direction of the Facilities Manager who is responsible for the direct supervision of all maintenance personnel. Postholder is responsible for working within the boundaries of the recurrent operating budget. Major decisions which are unplanned or not budgeted for are made in conjunction with the Facilities Manager and/or the Director of Support Services.

## Working conditions

- The postholder will occasionally work near moving mechanical parts; in high precarious places; in outside weather conditions; is occasionally exposed to extreme heat, extreme cold, wet and/or humid conditions, fumes, or airborne particles, toxic or caustic chemicals, risk of electrical shock, risk of radiation, hazardous and biohazardous waste, moderated to which noise level and vibration.
- Postholder must have or acquire a valid driver's license for travel off-site clinics and must be willing to fly by small plane to Cayman Brac on a regular basis.
- The Postholder must be able to work in a high stress environment with frequently changing schedules and priorities and be able to cope with working in close proximity to the sick and dying.

## Physical requirements

- Must be physically fit, able to lift 50lbs or more. Work in stressful environment.
- Ability to sit, stand, walk, reach with hands and arms, and use hands along with fingers, to handle or feel.
- Specific vision abilities required by this job include clarity of vision both near and far.
- Ability to identify and distinguish colors.

## Problem/Key Features

- As the job entails a wide variety of skills, knowledge, and duties in conjunction with a rapidly changing and expanding healthcare institution, the postholder will find it a challenge to organise all functions.
- Potential for exposure to toxic or caustic chemicals
- Potential for exposure to blood borne pathogens

## Evaluation Metrics

- Ability to meet deadlines.
- Ability to plan and prioritize jobs
- Ability at estimate time and materials necessary.

<b>Approved by:</b>	<i>Director of Support Services</i>
<b>Date approved:</b>	<i>08 May 2021</i>
<b>Reviewed:</b>	
<b>Next Review</b>	