



Clinical Engineering
Management Committee

Job Description

Job Title	Biomedical Equipment Technician III
Reports To	Manager
FLSA Status	Non-Exempt
Date	

Job Summary

Under minimal supervision, provide expert-level experience in the repair, calibration, and maintenance of medical equipment, instrumentation and support systems used in healthcare delivery. Execute professional-level inventory assessment/audits and preventive maintenance of medical equipment. Provide remedial corrective maintenance and maintain documentation of all service events, tests, and maintenance performed on clinical equipment.

Job Responsibilities

To perform this job successfully, an individual must be able to perform each essential duty and responsibility satisfactorily. Reasonable accommodations may be made to enable individual with disabilities to perform the essential functions. Other duties may be assigned to meet business needs.

Duties include:

- Repair, install, maintain, calibrate, and inspect complex medical equipment, instrumentation, and systems. Assign routine repairs, inspections, and installations to subordinates and observe their performance.
- Perform preventive maintenance and electrical safety testing of clinical equipment, devices, and systems, and monitor completion of preventive maintenance activities performed by outside vendors.
- Review outcome of preventive maintenance actions and make recommendations to department staff concerning improvements.
- Supervise and instruct biomedical equipment maintenance personnel in the safe use, application, testing, and preventive maintenance and repair of all types of clinical equipment technologies and systems.
- Provide operational leadership to personnel and possibly serve as temporary site manager in the absence of the director/manager/supervisor.
- Recommend new equipment and testing procedures.
- Maintain accurate inventory, tracking both the addition and the deactivation of clinical equipment.
- Maintain documentation on new equipment, inspections, and equipment repairs and failures.
- Assist, manage, and monitor third-party repairs.
- Provide leadership and managerial oversight to personnel as assigned.
- Provide in-service educational programs on use of equipment.
- Collaborate with Information Systems to ensure Health Insurance Portability and Accountability Act (HIPAA) compliance and connectivity of biomedical devices.
- Understand and comply with Joint Commission and other applicable standards and regulations.

Supervision Received

Individual will work under supervision of the supervisor of clinical engineering.

Working Relationships

Individual will maintain good personal relationships with fellow workers, nursing and medical staff, vendors, manufacturers, and the general public. Will be expected to participate in meetings, seminars, training, workshops, and conferences as required. Will maintain a clean and safe work place.

Minimum Qualifications

To perform this job successfully, an individual should possess the knowledge, skills, and abilities listed and meet the amount of education, training, and/or work experience required.

Knowledge, Skills, and Abilities

- Considerable knowledge of electronic circuitry and technical aspects of the operation, repair and maintenance of electronic equipment.
- Considerable knowledge of the application and repair of computers and servers and how they interface with medical equipment.
- Basic knowledge of networking theory.
- Considerable knowledge of current regulatory requirements.
- Substantial knowledge of basic anatomy, physiology, and medical terminology.
- Knowledge of color code conventions used in component and wiring marking.
- Ability to analyze, repair, and test electronic and electromechanical equipment.
- Ability to perform preventive maintenance inspections.
- Ability to run diagnostic programs.
- Ability to interpret schematics, wiring diagrams, and illustrated parts drawings of biomedical instrumentation.
- Ability to maintain accurate records of repairs, calibration, and tests.
- Ability to lift up to 50 pounds of equipment; to push/pull equipment carts; and to kneel, stand, bend, and reach during equipment repair.
- Skill in testing electronic equipment.
- Skill in manual dexterity, hand-to-eye coordination, and color vision.

Education/Experience

Associate's degree in electronics or biomedical equipment technology is highly desirable, as well as a minimum of four years' related experience in the repair and maintenance of medical equipment. An equivalent combination of education and experience may be substituted.

Working Conditions

Generally good working conditions. Possible hazards include exposure to electrical shock, ionizing radiation, chemicals and chemical fumes, high-pressure air, infectious disease, and various other hazards associated with biomedical engineering work. Protective clothing and safe work practices are required.

This job description should not be construed to imply that these requirements are the only standards for the position. Incumbents will follow any other instructions and perform any other related duties as may be required. (Name of Company) has the right to revise this job description at any time. (Name of Company) is an "at will" employer and as such, neither this job description nor your signature constitutes any form of contractual arrangement between you and (Name of Company).