

MORGAN STATE UNIVERSITY

JOB SPECIFICATON



BIOMEDICAL EQUIPMENT TECHNICIAN

Class Code: 1153 FLSA Code: N/E (Non-Exempt)
Pay Range: 11

JOB SUMMARY

Under general supervision, performs a variety of specialized technical tasks involving the installation, repair, calibration, and some fabrication of diagnostic and therapeutic biomedical equipment and systems.

PRIMARY DUTIES

1. Inspects and installs medical and related technical equipment utilized in researching, monitoring, diagnosing, and treating physical ailments or dysfunctions.
2. Repairs, calibrates, maintains, and troubleshoots equipment using hand tools, power tools, and measuring devices. Ensures compliance with preventive maintenance procedures and schedules.
3. Safety-tests medical equipment and health care facility's structural environment to ensure patient and staff safety from electrical and mechanical hazards. Consults with medical or research personnel to ascertain proper equipment functions.
4. Recommends changes to or modifies equipment to meet specific therapeutic or diagnostic requirements.
5. Conducts in service training on use and general maintenance of biomedical equipment. Demonstrates and explains correct and safe operation of equipment.
6. Assists with the preparation of specifications for the purchase of new equipment. Serves as a liaison with vendors and/or manufacturers.
7. Conducts quality assurance evaluations in compliance with licensing requirements.

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8. May design and construct non-complex biomedical equipment.
9. Maintains records and prepares reports of preventive maintenance, repair, inspection, and installation services provided.
10. Maintains and orders inventory of standard replacement parts and other supplies.

Note:

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

MINIMUM QUALIFICATIONS

EDUCATION: Associate of Arts degree in Electronics or Electronic Technology.

EXPERIENCE: One year electronic or biomedical equipment maintenance and repair.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

Through knowledge of and ability to apply electronic theory and practice in the installation, inspection, repair, maintenance, and modification of complex electronic equipment. Through knowledge of mathematics as applied to the calculation of currents, voltages, and other electronic parameters. Ability to read and interpret schematics, drawings, and technical specifications. Ability to assemble or fabricate electromechanical and structural components. Ability to use and manipulate hand tools, instruments, and equipment. Ability to work in hazardous environments, in confined spaces, or in adverse weather or temperature conditions. Ability to do extensive standing, walking, climbing, and heavy lifting up to 50 lbs. Ability to communicate effectively orally and in writing. Ability to follow written and oral instructions. Ability to establish and maintain effective working relationships. Ability to use computers and other office equipment. Ability to prepare technical reports and maintain required records.

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OTHER:

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

CONDITIONS OF EMPLOYMENT

Candidates for employment may be subject to medical inquiries and/or medical examinations to determine ability to perform the job. Employees in this job class may be required to be available for emergency response at any time and may be required to wear and work in personal protective equipment.