

**BOARD OF REGENTS  
STATE OF IOWA  
REGENT MERIT SYSTEM**

**Class Title:** Biomedical Equipment Technician

**Class Code:** 3403

**Pay Grade:** 413

**GENERAL CLASS DESCRIPTION:**

Under direct supervision of an experienced healthcare technology management (HTM) professional, performs a variety of routine tasks associated with the installation, maintenance, calibration, and repair of biomedical and laboratory equipment. The equipment is varied and frequently non-related as well as being located in multiple and diverse departments of the institution. The majority of the work is performed in a repair shop setting with occasional work required in patient care or clinical settings.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

1. Tests the performance and operating characteristics of medical electronic/electro-mechanical equipment of moderate complexity to ensure compliance with established performance and safety standards.
2. Documents the results of equipment safety/performance evaluations.
3. Diagnoses problems and performs corrective repair work and/or calibration as required on medical electronic/electro-mechanical equipment of moderate complexity.
4. Documents completed preventive and corrective maintenance actions to meet regulatory requirements/standards.
5. Orders parts and supplies as required for the maintenance of medical equipment.
6. Attends workshops, conferences, and specialized training courses to keep up to date with changing equipment or service needs/requirements to remain compliant with manufacturer recommendations and regulatory requirements/guidelines.
7. Completes recall remediation modifications as directed by manufacturer's instructions.
8. Occasionally advises equipment operators on the proper use of equipment.
9. May assist in the training of staff and co-workers as required.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

The tasks listed under the heading of Characteristic Duties and Responsibilities are examples of the variety and general nature of duties performed by employees in positions allocated in the class. The list is descriptive only and should be used for no other purpose. It is not intended that any position include every duty listed nor is it intended that related duties cannot be required.

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1. Basic Understanding and skills related to general electro-mechanical systems and devices.
2. Basic understanding of common clinical terminology as well as that of life sciences such as anatomy and physiology.
3. Basic understanding of both local and national public safety and regulatory requirements that pertain to healthcare technology management
4. Basic knowledge of chemistry, physics and human physiology.
5. Ability to apply troubleshooting logic in diagnosing and repairing circuit board level malfunctions of basic electronic equipment/systems used in a medical and/or research environment.
6. Ability to use general and specialized test equipment, hand and shop tools.
7. Ability to read and interpret electronic schematics and technical documents.
8. Ability to communicate clearly with the professional medical staff both orally and in writing.
9. Ability to work in a medical/research environment under adverse conditions.
10. Ability to solder sensitive and small components.
11. Ability to use independent judgment to ensure quality patient care.
12. Skill in repairing equipment without "reworks".
13. Ability to assemble, fabricate and test electronic circuits and/or modifications to electronic equipment.
14. Ability to lift in excess of fifty pounds.
15. Ability to work in confined spaces for prolonged periods of time.

**MINIMUM ELIGIBILITY REQUIREMENTS:**

1. A.S. degree in Biomedical or Electronics technology; and
2. Successful completion of the Biomedical Equipment Technician Trainee Program; or
3. One year of experience troubleshooting, repairing, and testing electronic or electromechanical equipment.