

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

Class Title: Electroneurodiagnostic
Technician II

Class Code: 3303
Pay Grade: 412

GENERAL CLASS DESCRIPTION:

Under general supervision, selects, constructs, modifies and maintains electronic equipment while providing medical patient care, testing and instruction. Performs electroneurodiagnostic tests for patients exhibiting a variety of physical and mental states, exercising judgment and initiative. Solves problems and provides functional supervision as assigned. Serves on a regular, stand-by and on-call basis.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES:

1. Interprets on-going data verbally during electrophysiological testing procedures and reports results to physicians and surgeons as delegated by medical director.
2. Performs complex electrophysiological procedures.
3. Designs and evaluates procedures and techniques employed to elicit and display patient's physical condition to physicians and surgeons.
4. Determines and solves problems. Directs and performs repairs of circuits and equipment.
5. Provides supervision to Electroneurodiagnostic Technologist I staff and students/trainees.

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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KNOWLEDGES, SKILLS AND ABILITIES:

1. Knowledge of electroneurodiagnostic techniques used in peripheral and central nervous system monitoring.
2. Knowledge of neurological, psychiatric, pediatric, metabolic and trauma disorders.
3. Knowledge of neuroanatomy and its application to the understanding of the patient's condition.
4. Skill in operating computerized electrophysiological instrumentation requiring a knowledge base of analog-to-digital conversion.
5. Knowledge of maintenance requirements of specialized EEG equipment.
6. Knowledge of neurological and electrodiagnostic terminology, scientific notation, and general medical terminology.
7. Knowledge of electrical safety and interfaces with various electrical systems.
8. Ability to communicate with physicians, nurse, and other allied health personnel.
9. Ability to transport equipment weighing 350-400 lbs.
10. Ability to visually recognize minute electroneurophysiological activity and changes,, and to predict appropriate testing methods.
11. Ability to teach and instruct others.
12. Ability to coordinate and direct activities within designated areas of responsibility.

MINIMUM ELIGIBILITY REQUIREMENTS:

1. Registration and certification by the American Board of Registration of EEG/EP Technologist (ABRET), Parts I and II.
2. a) Satisfactory completion of a two-year degree program in electroneurodiagnostic technology; or
b) Combination of training and experience in a related field equaling three years.

REVISION EFFECTIVE: July 1, 1993