



## University System of Maryland Job Class Specification

**TITLE: EEG TECHNICIAN II**  
**FLSA: NONEXEMPT**  
**EEO6: H50**  
**IPEDS-SOC: P-292099**

**JOB CODE: N08EG2**  
**JOB TYPE: INST SPECIFIC UMAB**  
**JOB FAMILY/SERIES: MED**

**APPROVED BY:**  
**Chancellor Donald N. Langenberg**

**EFFECTIVE DATE: 07/01/1996**

### **JOB SUMMARY**

Under general supervision, performs electroencephalography (EEG) recordings at the proficient level and maintains EEG equipment.

### **PRIMARY DUTIES**

1. Performs EEG recordings at the proficient level.
2. Assists higher level technicians with complex cases.
3. Assists in evoked potential testing and neurodiagnostic monitoring in epilepsy.
4. Performs basic maintenance of the EEG machine and related equipment, apparatus, and devices.

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:** High School Diploma or GED and course work in biological and chemical science

**EXPERIENCE:** One years training or directly related work experience in EEG technology

**OTHER:**

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### **REQUIRED KNOWLEDGE/SKILLS/ABILITIES**

General knowledge of the principles, theory, and applications of EEG. General knowledge of basic electronics, brain anatomy, physiology, and clinical neurology as they apply to EEG. Skill in making rapid and accurate arithmetic calculations. Skill in the running and maintenance of the EEG machine and related equipment, apparatus, and devices. Skill in recognizing instrument malfunctions and measures to eliminate them. Skill in fabrication, placement, and application of EEG electrodes, in the measurement of electrode resistance or impedance, and in the preparation of electrode paste. Skill in recognizing and identifying the various types of artefacts and the measures to eliminate them and the indications for the choice of time constants and filters. Ability to communicate effectively both orally and in writing. Ability to establish and maintain effective working relationships with patients, faculty, staff, and students. Ability to walk and stand at least 50% of the time, to push and maneuver large and bulky portable testing equipment, and to lift and position patients. Ability to wear and work in personal protective equipment.

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 selected for employment may be subject to medical inquiries and/or medical examination to determine ability to perform the job.