

# Electroneurodiagnostic Technologist

Electroneurodiagnostics is the allied health care profession centered around recording, monitoring, and analyzing nervous system function to promote the effective treatment of pathologic conditions.

Electroneurodiagnostic or END professionals

- Are credentialed
- Have met a minimum education level and related educational and performance standards
- Meet continuing education requirements
- Perform within a code of ethics and defined scope of practice
- Are recognized by physicians, employers, the public, governmental agencies, payors and other health care professionals
- Form a national society whose activities include lobbying for the profession
- Contribute to the advancement of knowledge in neuroscience



## Career Description

Technologists record electrical activity arising from the brain, spinal cord, peripheral nerves, and somatosensory or motor nerve systems using a variety of techniques and instruments. Technologists prepare data and documentation for interpretation by a physician. Considerable individual initiative, reasoning skill, and sound judgment are all expected of the electroneurodiagnostic professional. The most common electroneurodiagnostic procedures include:

- Electroencephalogram (EEG)
- Intraoperative Neuromonitoring (IONM)
- Long Term Monitoring (LTM)
- Polysomnogram (PSG)
- Evoked Potential (EP)
- Nerve Conduction Studies (NCS)



## Employment Characteristics

END personnel work primarily in neurology-related departments of hospitals, but many also work in clinics and the private offices of neurologists and neurosurgeons. Growth in employment within the profession is expected to be greater than average, owing to the increased use of EEG and EP techniques in surgery; in diagnosing and monitoring patients with epilepsy; and in diagnosing sleep disorders. Technologists generally work a 40-hour week, but may work 12-hour days for sleep studies and be on-call for emergencies and intraoperative monitoring.



## Salary

According to the American Society of Electroneurodiagnostic Technologists, Inc (ASET), 2006 entry-level salaries average \$35,610. Refer to Section IV, Table 5 of this *Directory* for more information, or see [www.ama-assn.org/go/hpsalary](http://www.ama-assn.org/go/hpsalary).



## Educational Programs

**Length.** Programs may be 12 to 24 months and are typically integrated into a community college-sponsored program leading to an associate degree.

**Prerequisites.** High school diploma or equivalent.

**Curriculum.** The curriculum includes anatomy, physiology, and neuroanatomy (with major emphasis on the brain), as well as

instrumentation, personal and patient safety, recording techniques, clinical electroneurodiagnostics, and correlations. Clinical rotations are conducted in medical centers.



## Inquiries

### Careers

American Society of Electroneurodiagnostic Technologists, Inc  
6501 East Commerce Avenue  
Suite 120  
Kansas City, MO 64120  
816 931-1120  
816 931-1145 Fax  
E-mail: [info@aset.org](mailto:info@aset.org)  
[www.aset.org](http://www.aset.org)

### Certification/Registration (Credentials R EEG T<sup>®</sup>, R EP T<sup>®</sup>, CNIM<sup>®</sup>)

American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET)  
1904 Croydon Drive  
Springfield, IL 62703  
217 553-3758  
217 585-6663 Fax  
E-mail: [abreteo@aol.com](mailto:abreteo@aol.com)  
[www.abret.org](http://www.abret.org)

### Certification/Registration (Credentials R NCS T)

American Association of Electrodiagnostic Technologists (AAET)  
28 Sabins Lane  
North Chatham, MA 02650  
508 945-2781 Phone/Fax  
E-mail: [rta1@aol.com](mailto:rta1@aol.com)  
[www.aaet.info](http://www.aaet.info)

### Certification/Registration (Credentials RPSGT<sup>™</sup>)

The Board of Registered Polysomnographic Technologists (BRPT)  
8201 Greensboro Drive, Suite 300  
McLean, VA 22102  
703 610-9020  
703 610-9005 Fax  
E-mail: [info@brpt.org](mailto:info@brpt.org)  
[www.brpt.org](http://www.brpt.org)

### Program Accreditation

Commission on Accreditation of Allied Health Education Programs (CAAHEP) in collaboration with:  
Committee on Accreditation for Education in  
Electroneurodiagnostic Technology  
6654 S Sycamore Street  
Littleton, CO 80120  
303 738-0770  
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