



Health Career Directory

Electroneurophysiology Technologist (ENP)

Overview

Electroneurophysiology (ENP) Technologists operate electronic diagnostic equipment to record cardiac activity or electrical activity of the brain and the central nervous system. Electroneurophysiology (ENP) Technologists perform electroencephalography (EEG) or electromyography (EMG). Modern hospitals and health care clinics need the services of trained technologists to operate sophisticated electroneuro-diagnostic (END) testing equipment.

The test result is used to help diagnose and evaluate:

- trauma
- stroke
- infectious disease
- brain tumours
- sleeping disorders
- epilepsy; and
- other medical conditions.

This profession is exciting and the employment opportunities are growing throughout the health care industry. This occupation pays well. It is also highly stimulating and interesting since no two days are ever the same.

Who is suited to become an Electroneurophysiology (ENP) Technologist?

ENP Technologists are most effective when they have the following skills and characteristics:

- ability to be precise and accurate
- good problem-solving and communication skills, both orally and written
- good critical thinking skills, sound judgement, and patience
- ability to work under pressure
- compassion, dependability, ethics, and maturity
- ability to organize and arrange workload in collaboration with others
- strong social skills and leadership ability
- are comfortable working with instruments, apparatus, and technology
- ability to manage high levels of stress associated with life threatening situations and medical conditions.
- self-disciplined and self-directed
- ability to multi-task in a complex and fast-paced environment; and
- a clean record, no prior criminal background.

They should enjoy:

- working in a fast paced health care environment
- a genuine interest in caring for people
- working one on one with people who are unwell
- working collaboratively with others in a team environment; and

Who employs Electroneurophysiology Technologist?

Electroneurophysiology Technologists work as part of an interdisciplinary team. They work mostly in hospitals, in both rural and urban settings. Some work in doctor's offices or imaging clinics. In BC, they are employed by one of the six health authorities/employers. They work shift hours, alternating weekends, and are often on call for emergency procedures.

Salary

Salary Range - \$26.25 - \$32.73 per hours/\$50,500 - \$63,460 annually plus shift premiums for evenings, nights and weekends

Typical Jobs

Electromyography (EMG) Technician
EEG Technologist

Related Occupations

Medical Radiation Technologists
Cardiology Technologists
Medical Sonographers

Required Training and Education to Become an Electroneurophysiology Technologist:

In BC, the Electroneurophysiology Technology is a full-time Diploma program offered at BCIT. The program is not currently offered every year. Most programs run every two years. Available seats in this program are limited. Please go to the institution of your interest for the complete list of all entry requirements and intake application dates

BCIT's Electroneurophysiology Technology full-time Diploma of Technology program provides students with the background necessary to operate sophisticated electroneuro-diagnostic (END) testing equipment, and other related biomedical equipment.

The program provides a combination of labs and lectures at BCIT. It also involves clinical experience in the diagnostic neurophysiology departments at major hospitals. The program draws from a variety of subject areas:

Upon completion of the two-year program, graduates receive a Diploma of Technology in Electroneurophysiology. After a period of work experience in a clinical situation, graduates can write the Technologist Registration examinations of the appropriate certifying body in their chosen fields of interest.

Career Advancement

Electroneurophysiology Technology can be a very rewarding profession. Most Electromyography (EMG) Technologists stay in clinical practice for a long time as they enjoy providing one on one care to their patients, and working in a team environment.

Resources

Education Programs

British Columbia Institute of Technology
<http://www.bcit.ca/study/programs/5750dipma>

Financial assistance and bursaries:

For information about Canada student loans and grants, please visit:
http://www.hrsdc.gc.ca/eng/learning/canada_student_loan/index.shtml

Associations

British Columbia Society of Electroneurophysiology Technologist
<http://www.bcset.org/>

Canadian Board of Registration of Electroencephalograph Technologist
<http://cbret.org/>

Canadian Association of Electroneurophysiology Technologists
<http://www.caet.org/joomla/caet/>

Canadian Association of Neurophysiology Monitoring
<http://www.canm.ca/>