

Program Information

NEURODIAGNOSTIC TECHNOLOGY



San Bernardino, CA

Program Summary

This program is designed to provide graduates with the knowledge and practical skills needed for entry-level employment as a Neurodiagnostic or Polysomnography Technologist. The program combines classroom and laboratory studies with clinical training in healthcare facilities. Through a series of General Education courses, the student will also develop skills in communication, interpersonal relations, and critical thinking.

Program Objectives

Upon successful completion of the Neurodiagnostic Technology program, graduates will work with patients from neonate to geriatric and will be able to perform:

- Electroencephalograms (EEGs), which record the electrical activity of the brain.
- Polysomnograms (PSGs), which monitor and evaluate brain, respiratory, and heart activity during sleep to help diagnose sleep disorders.

During clinical rotations, students in the Neurodiagnostic Technology program may also be exposed to advanced diagnostic procedures, such as:

- Evoked potentials (EP's), such as Brainstem Auditory Evoked Potentials (BAEP), Visual Evoked Potentials (VEP), and Somatosensory Evoked Potentials (SSEP), which record electrical activity from the brain, brainstem, and spinal cord to evaluate various nerve tracks.
- Nerve Conduction Velocities (NCV), which evaluate electrical activity from peripheral nerves.
- Long-Term Epilepsy Monitoring (LTEM, LTM, or EMU), which records electrical activity and monitors patients to help diagnose significant seizure disorders.
- Intraoperative Neurological Monitoring (IONM), which monitors electrical activity from the brain, spinal column nerves, and muscles during various surgical procedures.

Upon completion of the program, graduates will be eligible to take professional certification examinations offered by:

- American Board of Registered Electroneurodiagnostic Technologists, Inc. (ABRET)
- American Association of Electrodiagnostic Technologists (AAET)
- Board of Registered Polysomnography Technologists (BRPT)

Credentialing in these specialties may require additional individualized training after graduation.

Course List

MATH Elective*	MATH1310: Contemporary Mathematics or MATH1320: College Algebra	NDTP1320 NDTP1335	Pharmacology for Health Careers NDT Clinical Experience I
ENGL1310*	English Composition I	NDTP1610	Neurodiagnostics I
BIOL1310*	Anatomy & Physiology I	NDTP2211	Capstone-International Board Preparation
BIOL1320*	Anatomy & Physiology II	NDTP2310	Neurodiagnostics II
COMM1310*	Elements of Human Communication	NDTP2715	NDT Clinical Experience II
CSCI1310*	Computer Science	PSOM1310	Polysomnography I
PSYC1320*	Human Growth & Development	PSOM2210	Pattern Recognition
PHIL1310*	Critical Thinking	PSOM2315	PSG Clinical Experience I
NDTP1210	Evoked Potentials	PSOM2710	Polysomnography II
NDTP1220	Nerve Conduction Velocities	PSOM2715	PSG Clinical Experience II
NDTP1310	Neuroanatomy & Physiology		

**These courses are offered online*

For course descriptions, a breakdown of credit hours and other program-specific information, please review the Campus Catalog on concorde.edu. To learn about our graduation rates, the median debt of students who completed programs, and other important information, visit concorde.edu/disclosures.