

Program Information

NEURODIAGNOSTIC TECHNOLOGY



Grand Prairie, TX

Program Overview

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 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 (EPs), 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)

Course List

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

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.