

# Polysomnographic Technology

## Diploma Program

**Contact Hours:** 820

**Semester Credits:** 29.5

**Instructional Weeks – Full Time:** 30

**Average Time to Complete – Full Time:** 8 Months

## Program Overview

Polysomnographic (PSG) Technologists perform sleep tests and work with physicians to provide information needed for the diagnosis of sleep disorders. The Technologist monitors brain waves, eye movements, muscle activity, multiple breathing variables, and blood oxygen levels during sleep using specialized recording equipment. The Technologist interprets the recording as it happens and responds appropriately to emergencies. Technologists provide support services related to the treatment of sleep-related problems, including helping patients use devices for the treatment of breathing problems during sleep and helping individuals develop good sleep habits.

The Technologist takes the medical history, documents the clinical condition of patients, understands and employs the optimal use of PSG equipment, and applies adequate recording electrodes. Among other duties, the PSG Technologist also understands the interface between EEG and PSG equipment and other electrophysiological devices and procedures; recognizes and understands EEG sleep activity displayed; manages medical emergencies in the laboratory; and prepares a descriptive report of recorded activity for the interpreting physician. Additionally, the role of the PSG Technologist includes treatment of sleep-disordered breathing to include PAP therapy, oxygen therapy, and patient education. The responsibilities of the Technologist may also include laboratory management and the supervision of other Technologists. Considerable individual initiative, reasoning skill, and sound judgment are all expected of the polysomnography professional.

## Program Goals and Outcomes

The goal of Concorde's PSG program is to prepare competent, entry-level PSG Technologists with the knowledge, skills, values, and attitudes to become an instrumental part of the PSG professional workforce. Successful learning outcomes and competencies will be achieved through the completion of both course and clinical work. Students will work with patients from neonate to geriatric and will be able to perform Polysomnograms (PSGs), which monitor and evaluate brain, muscle, respiratory, and heart activity during sleep to help diagnose sleep disorders.

Upon completion of Concorde's PSG program, students will receive a diploma in Polysomnographic Technology. Graduates will then be eligible to take the professional certification examination offered by the Board of Registered Polysomnographic Technologists (BRPT).

## Program Mission

The mission is to provide a supportive learning environment in which students can acquire theoretical knowledge, technical skills, and professional behaviors to become contributing members of the health community. The program strives to instill personal growth, professional commitment, and community involvement. Graduates will be eligible to sit for the Board of Registered Polysomnographic Technologists (BRPT international credential). Registration and certification requirements for taking and passing this examination are not controlled by Concorde, but by outside agencies, and are subject to change by the agency without notice. Therefore, Concorde cannot guarantee that graduates will be eligible to take this exam, at all or at any specific time, regardless of their eligibility status upon enrollment.

## Program Delivery

The Polysomnographic Technology program is delivered in a blended format. Courses will be delivered entirely online, entirely on-ground or with an appropriate blend of both online and on-ground hours in the same course. Of

the 820 program hours, a maximum of 446 course hours (54.4%) may be offered online (including general education courses). Campuses may have the option to deliver general education courses either online or on-ground depending on local need and availability specific time, regardless of their eligibility status upon enrollment.

Course #	Course Title	Theory Hours (Ground/Online)	Lab Hours (Ground/Online)	Clinical Hours (Ground/Online)	Semester Credit Hours
BIOL1131	Anatomy & Physiology VLab	0 ( 0 / 0 )	30 ( 0 / 30 )	0 ( 0 / 0 )	1
BIOL1302	Anatomy & Physiology	65 ( 0 / 65 )	0	0	3
ELEC1710	Introduction to Electrodiagnosis	120 ( 10 / 110 )	50 ( 50 / 0 )	0	7
PSOM1110	PSG Pattern Recognition	30 ( 0 / 30 )	15 ( 0 / 15 )	0	1.5
PSOM1112	PSG Capstone	30 ( 10 / 20 )	0	0	1
PSOM1216	Therapeutic Intervention	30 ( 10 / 20 )	20 ( 20 / 0 )	0	2
PSOM1220	PSG Clinical Preparation & Practice	0	60 ( 30 / 30 )	0	2
PSOM1610	Polysomnography	120 ( 10 / 110 )	30 ( 30 / 0 )	0	6.5
PSOM2515	PSG Clinical Experience	4 ( 4 / 0 )	0	216 ( 200 / 16 )	5.5
<b>Total</b>		<b>399 (44/355)</b>	<b>205 (130/75)</b>	<b>216 (200/16)</b>	<b>29.5</b>

\* These courses may be offered entirely online or entirely on-ground at the campus.