

Polysomnographic Technology

Diploma Program 824 Contact Hours 30.50 Semester Credits 30 Instructional Weeks – Full Time	Program offered at: Memphis, Tennessee
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Polysomnographic Technology Mission Statement

The program provides students with the theoretical knowledge, technical skills, and professional attributes required to obtain entry-level positions as Polysomnographic Technologists. The program prepares students to successfully complete the professional certification exam offered by the Board of Registered Polysomnographic Technologists (BRPT).

Learning Objectives / Instructional Outcomes

The program includes courses covering anatomy and physiology, pharmacology, and theory of polysomnography. Learning objectives include achievement of sufficient theoretical knowledge and practical skills to perform Polysomnograms (PSGs), which monitor and evaluate brain, muscle, respiratory, and heart activity during sleep to help diagnose sleep disorders.

Career 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. 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.

In order to graduate from the Polysomnographic Technology program, students must successfully complete the following curriculum:

Course #	Course Title	Theory Hours	Lab Hours	Clinical Hours	Semester Credit Hours
BIOL1320	Anatomy & Physiology II	45			3.00
NDTP1320	Pharmacology for Health Careers	45			3.00
PSOM1310	Polysomnography I	35	20		3.00
PSOM2210	Pattern Recognition	15	30		2.00
PSOM2211	Capstone-International Board Preparation	30			2.00
PSOM2315	PSG Clinical Experience I			160	3.50
PSOM2710	Polysomnography II	90	30		7.00
PSOM2715	PSG Clinical Experience II			324	7.00
	Subtotals	260	80	484	30.50