

NECC POLYSOMNOGRAPHY LEARNING OUTCOMES ASSESSMENT MAP

The Sleep Tech Certificate program prepares students for careers in sleep medicine. Through a combination of coursework, laboratory exercises, and clinical experiences, students of the program develop the knowledge, skills, and abilities necessary to become competent Sleep technologists in order to gain employment in area sleep labs and successfully pass one of the national credentialing examination (RPSGT, CPSGT, RST, SDS)

	Assessment Method (s)	When and where assessed (or to be assessed)	
--	------------------------------	--	--

PROGRAM OBJECTIVES	ASSOCIATED LEARNING OUTCOMES Upon completion, the student will be able to:	Assessment Method (s)	When and where assessed (or to be assessed)	
1 Students will develop the knowledge needed to become competent Sleep Technologists as defined by accepted national standards.	1 Demonstrate sufficient knowledge of basic sleep anatomy and physiology.	Summative Objective exam	Final Exam for Physiology of Sleep Tech	X
	2 Compare relevant anatomy and physiology including neurological components applicable to normal sleep breathing and versus various sleep disordered breathing.	Summative Objective exam	Final Exam for Physiology of Sleep Tech	X
	3 Describe and recognize signs, symptoms, etiology, characteristics, pathophysiology, and therapy of important sleep disorders.	Summative Objective exam	Final Exam for Physiology of Sleep and Polysomnography II	X
	4 Complete documentation of patient's history, technical notes, and outcomes during a sleep study.	Sleep Lab and Clinical competencies	Polysomnography 1 and Polysomnography Clinical 1	
	5 Describe the indications, contraindications, and hazards for various diagnostic and treatment modalities	Sleep Lab and Clinical competencies	Polysomnography 1 & 2, Polysomnography Clinical 1 & 2	
	6 Recognize and understand various physiological data used to score and analyze a sleep study.	Sleep Lab and Clinical competencies	Polysomnography II - Final exam	X
2 Students will master the technical skills necessary to become competent Sleep Technologists as defined by accepted national standards.	1 Select proper equipment inventory and montage in order to optimize data collection.	Sleep Lab and Clinical competencies	Polysomnography 1 and Polysomnography Clinical 1	
	2 Complete proper patient preparation and electrode application with correct placement sites to ensure consistent quality sleep data.	Sleep Lab and Clinical competencies	Polysomnography 1 and Polysomnography Clinical 1	
	3 Calibrate equipment to ensure proper functioning during sleep studies	Sleep Lab and Clinical competencies	Polysomnography 1 and Polysomnography Clinical 1	
	4 Implement and monitor various therapeutic modalities such as CPAP and oxygen.	Sleep Lab and Clinical competencies	Polysomnography 2 and Polysomnography Clinical 2	

Review

NECC POLYSOMNOGRAPHY LEARNING OUTCOMES ASSESSMENT MAP

The Sleep Tech Certificate program prepares students for careers in sleep medicine. Through a combination of coursework, laboratory exercises, and clinical experiences, students of the program develop the knowledge, skills, and abilities necessary to become competent Sleep technologists in order to gain employment in area sleep labs and successfully pass one of the national credentialing examination (RPSGT, CPSGT, RST, SDS)

Assessment Method (s)	When and where assessed (or to be assessed)	<i>Review</i>

PROGRAM OBJECTIVES	ASSOCIATED LEARNING OUTCOMES Upon completion, the student will be able to:	Assessment Method (s)	When and where assessed (or to be assessed)	<i>Review</i>
3 Students will develop professional behaviors and attitudes consistent with nationally accepted standards and employer expectations of competent Sleep Technologists.	1 Develop rapport and appropriate interactions with patients that will facilitate the gathering of assessment information concerning issues of legal rights, ethics, confidentiality, and diversity (e.g. gender, age, and ethnicity). in accordance with professional standards	Evaluation of Professional Habits and Attitudes Clinical Competency	Polysomnography Clinical II (Due last week of each semester)	
4 Students will develop proficiency in communication skills necessary to become a competent Sleep Technologists.	1 Effectively communicate orally and in writing as necessary with patients, other sleep technologists, and physicians regarding documentation, testing procedures, possible interventions and results.	Evaluation of Professional Habits and Attitudes Clinical Competency	At end of Polysomnography Clinical II	
		Patient Monitoring and Documentation Clinical Competency	Sample of Student's Clinical notes towards end of program	
5 Students will develop critical thinking, problem solving and troubleshooting skills necessary to function as competent Sleep Technologists.	1 Assess the patient's medical and sleep history and evaluate indications and needs for modification of testing procedures.	Summative Objective exam	Polysomnography II - Final exam and General preparation-safety review Competency	
	2 Recognize the need for intervention with therapeutics during sleep study.	Summative Objective exam	Polysomnography II - Final exam and Therapeutics for Sleep Techs	
	3 Recognize, troubleshoot and apply critical thinking skills to analyze and diagnose problems with setup, testing and equipment.	Summative Clinical Skills check off	Polysomnography II - Final exam and Therapeutics for Sleep Techs / Polysomnography Clinical 1 - Identifying and Managing Events - Clinical Competency	

NECC POLYSOMNOGRAPHY LEARNING OUTCOMES ASSESSMENT MAP

	Year 2016 - Class of 2015	Review Year 2017 - Class of 2016	Review Year 2018 - Class of 2017
	X		
X			
	X		
	X		

NECC POLYSOMNOGRAPHY LEARNING OUTCOMES ASSESSMENT MAP

Year 2016 - Class of 2015	Review Year 2017 - Class of 2016	Review Year 2018 - Class of 2017	
X			
X			