

Degree: Associate in Applied Science (AAS)

Length: 21 months

Purpose: Polysomnographic (PSG) Technology is an allied health specialty for the diagnosis and treatment of disorders of sleep and daytime alertness. The range of the sleep disorders is varied but includes common disorders such as narcolepsy, sleep apnea, insomnias, and many others. PSG technologists operate a variety of sophisticated electronic monitoring devices, which record brain activity (EEG), muscle and eye movement, respiration, blood oxygen and other physiological events. Technologists are also involved in evaluation of various treatment methods.

PSG technologists are employed in Sleep Disorders Centers, which can be located in medical centers, hospitals, or clinic/office settings. PSG program offers a certificate that includes lectures, laboratory experience on campus, clinical experience at accredited sleep centers, and physician lectures. A major emphasis of the program is to prepare technologists for Board Registration by the Board of Registered Polysomnographic Technologists (BRPT).

Admission Requirements

To be considered for admission to the Polysomnography program, the applicant must:

- a. Make application to Alvin Community College and fulfill the admission requirements.
- b. Make application to the Polysomnography program by December 1st.
- c. Submit official transcripts from other colleges attended with application.
- d. Score a composite of 19 or higher on the ACT, or combined math/verbal of 900 or higher on the SAT (tests must be within 5 years of time of application).
- e. Complete physical examination and immunization upon acceptance.
- f. Not currently be on suspension or academic probation.
- g. Current CPR certification - AHA Health Care Provider (will be taught in HPRS 1304).
- h. Background checks are conducted as a condition of full acceptance into the Polysomnography Program.

Progression Policy

1. The Polysomnography students will abide by the admission and curriculum requirements of the Polysomnography Department at the time they are admitted or re-admitted to the program.
2. Once a student has enrolled in the Polysomnography Program, all Polysomnography courses must be completed in the proper sequence as shown in the catalog and degree plan, or must have the approval of the Program Director.
3. No grade below a C in a Polysomnography or academic course will be acceptable.
4. A student will be terminated from the program if clinical performance is unsatisfactory as determined by the Clinical Instructor and the Program Director. This action may be taken at any time during the semester or at the end of the semester.
5. In the event a student is asked to leave a clinical affiliate, and not return, the student may not continue progressive courses utilizing that facility. If the clinical affiliate is utilized in future courses, the student will be terminated from the program.
6. Only two (2) attempts in any science/math or any Polysomnography course will be permitted. An attempt is defined as a course in which a grade of D or F is recorded on the transcript.
7. A student requiring hospitalization, or sustaining an injury will be required to obtain a written statement from his/her physician verifying that the health status of the student is adequate for performance in the clinical agency. A student may not be allowed to return to the clinical area if he/she must be on medications which may interfere with his/her ability to perform satisfactorily.
8. A student who is pregnant **must** present a physician's statement giving evidence of her ability to perform the required work.
9. Students must complete the program within four (4) years after initial acceptance.

Advanced Standing

1. Advanced standing applies to those Polysomnography personnel who have work experience and have not completed the associate degree program.
2. Polysomnography professional with at least two (2) years full-time experience in the field will have the opportunity to challenge polysomnography courses.
3. These courses must be challenged in sequence unless permission is otherwise granted.

Associate in Applied Science Polysomnography Degree Program

<i>Course Number</i>	<i>Course Title</i>	<i>Lecture Hours</i>	<i>Lab Hours</i>	<i>Credits</i>
First Semester				
ENGL 1301	Composition I	3	0	3
BIOL 2401	Anatomy & Physiology I	3	3	4
MATH 1314 OR	College Algebra OR	3	0	3
MATH 1333	Contemporary Math for Tech.			
HITT 1305	Medical Terminology	3	0	3
HPRS 1304	Basic Patient Care Skills	2	2	3
PSGT 1115	Introduction to Polysomnography	<u>1</u>	<u>0</u>	<u>1</u>
		14	5	17
Second Semester				
BIOL 2402	Anatomy & Physiology II	3	3	4
PSYC 2314	Life-Span Growth & Development	3	0	3
PSGT 1310	Neuroanatomy & Physiology	<u>3</u>	<u>0</u>	<u>3</u>
		9	3	10
Third Semester				
RSPT 1310	Respiratory Care Procedures	2	2	3
PSGT 1205	Neurophysiology of Sleep	2	0	2
PSGT 1400	Polysomnography I	2	5	4
PSGT 1340	Sleep Disorders	3	0	3
SPCH 1318	Interpersonal Communication	<u>3</u>	<u>0</u>	<u>3</u>
		12	7	15
Fourth Semester				
PSGT 1660	Polysomnography Clinical I	0	24	6
PSGT 2411	Polysomnography II	2	5	4
PSGT 1191	Special Topics	0	2	1
Elective	Visual and Performing Arts OR Humanities	<u>3</u>	<u>0</u>	<u>3</u>
		5	31	14
Fifth Semester				
PSGT 2250	Infant and Pediatric Polysomnography	2	0	2
PSGT 2360	Polysomnography Clinical II	<u>0</u>	<u>12</u>	<u>3</u>
		2	12	5
Total Credits Required for A.A.S. Polysomnography				61