2019-2020 Program Assessment Report Sleep Health A.A.S. Polysomnographic Technology Option

Program Mission

The Seep Health - Polysomnography option, an Associate of Applied Science degree program, provides instruction and clinical practice in a distance learning format. The vocational Certificate program, typically completed the first year of the 2-year PSG A.A.S., prepares students to achieve professional proficiency in sleep health and technology and to acquire the professional credentials in needed to work as a Seep Technologist (RPSGT) immediately upon completion of the Certificate. Typically, a newly registered RPSGT works as a staff sleep technologist on night shift, performing overnight sleep studies. Often after 3 to 5 years, an RPSGT is offered a daytime position in the sleep lab, performing narcolepsy testing, helping sleep apnea patients with their treatments, and analyzing data recorded by the night technologists. Usually after 5 years as a sleep technologist, a graduate with the A.A.S degree would be considered for a management position in a sleep center.

Program Alignment to Oregon Tech Mission and Core Themes

The A.A.S Sleep Health Polysomnography program is designed to meet the needs of new sleep technicians working in sleep centers across the country. The program meets one of the pathways for technicians sitting for the national registry exam in sleep technology completion of a program accredited by the Commission on Accreditation of Allied Health Educatio distance education program is designed to meet the CAAHEP Committee on Accreditation for Polysomnographic Technology (CoA PSG) standards and the needs of place-bound technicians. The entire program is delivered online with local clinical facilities, near where the students are located, providing the clinical practicum.

Core Theme 1: Applied Degree Programs: We are dedicated to providing the highest quality education in the BMS industry as demonstrated through the caliber of our faculty, the tremendous success of our alumni, and the enthusiastic support of our BMS employers.

Core Theme 2: Student and Graduate Success: Our aim is to continue to partner with high potential students, from diverse backgrounds and perspectives, and assist them in becoming national EMS dinical and organizau8 Cfa

History

The program began in 2007 as the first national fully-online CAAHEP accredited program for polysomnography.

Description

For the PSG Certificate, students take online didactic courses along with completing a part-time clinical rotation in an AASM-

https://oregontech-

The annual Program Advisor meeting took place on Dec 6, 2019. (Zoom call). In attendance were:

- x Program Director
- x Medical Director
- x Key faculty member/current instructor, former Seep Health Program Director
- x 2 Key industry leaders/dinical site managers
- x 1 Experienced sleep lab RPSGT preceptors
- x 1 Recent graduate

Annual Program Review Notes:

https://oregontech-

my.sharepoint.com/:w:/g/personal/michael_schwartz_oit_edu/EZcAXAqNFL9PvqMzMrXe_IMBIsRjoHZul_M6atyMK5sE16Q?e=F30jBg

3. Program Educational Objectives

The education objectives of the Seep Health - Polysomnographic Technology option are twofold:

- 1. Prepare students for immediate employment anywhere in the United States in sleep technology
- 2. Provide students with the skills to move into supervisory and patient education roles in sleep centers

Program Student Learning Objectives (PSLOs)

PSLO#1: Demonstrate the ability to review patient information and prepare for a polysomnogram.

PSLO #2: Demonstrate ability to apply sensors correctly with acceptable impedances for data collection.

PSLO#3: Demonstrates ability to calibrate signals, document, and troubleshoot recording artifact.

PSLO#4: Demonstrates ability to accurately analyze and summarize adult PSG data.

PSLO #5: Demonstrates understanding of PAP and O2 theory, application and contraindications.

PSLO#6: Demonstrates knowledge of PAP therapy adherence, management, and patient education.

PSLOs are reviewed each year during the annual advisory board meeting.

4. Curriculum Map

COURSE	PSLO 1	PSLO 2	PSLO 3	PSLO 4	PSLO 5	PSLO 6
Bio 200	F					
Echo 227				F		
ROP120				F		

ISR SCORING data: 3 categories of scoring (sleep, resp, limb)

x >85%=5, 70-84%=4, 55-69%=3, 40-54%=2, <40%=1

Additionally, we ask students to demonstrate how to conduct a full, accurate polysomnogram with PAP titration, verified by RPSGT

to the small sample size,

ISR data analysis opportunities to supplement practical learning as lab access was often impacted adversely. This was approved by CAAHEP.

Specifically, the effect of reduced lab access due to Covid over spring and summer terms seemed to mainly affect daytime skill learning, primarily areas in PSLO #4: analyze and summarize PSG data. This area of learning is weighted to the final term of the PSG Certificate program, most of which fell during spring and summer. Students will be followed closely in lab rotations to look for ways to possibly gain daytime experience intermittently over their 3-term rotation if needed.

8. Closing the Loop: Evidence of Improvement in Student Learning

The educational objectives of the Seep Health - Polysomnographic Technology option are to:

Final Thoughts

At this time, no significant modifications are required in the delivery of the program to students. Minor modifications are discussed in this assessment report. This assessment report will be shared later this year in the annual program advisor meeting.