Continuous Improvement Plan (CIP) Documentation

Date May 19, 2015 **Name of Administrative or Educational Support Unit:** AAS – Polysomnographic Technology

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Mission:

The goal of the Polysomnographic Technology Program at Collin College is preparing students in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains in order to provide knowledgeable, skilled, and effective entry-level polysomnographic technologists to the sleep medicine community. The Polysomnographic Technology Program accomplishes this by following the guidelines set by the Commission on Accreditation of Allied Health Education Programs, the Committee on Accreditation for Polysomnographic Technologist Education, the Texas Higher Education Coordinating Board, Collin College mission, and the Advisory Committee to the Polysomnographic Technology Program.

PART I: Might not change from year to year

A. Outcomes(s) Results expected in this department/program	**B. Measure(s)** The instrument or process used to measure results	**C. Target(s)** The level of success expected
1. Given the physician's orders for the sleep study, the student will be able to select the appropriate polysomnography equipment and montage, collect and review all paperwork, accurately apply sensors, and educate the patient about his/her sleep disorder and the study being performed.	1. Capstone clinical simulation and Registered Polysomnographic Technologist (RPSGT) practice examination 2. Registered Polysomnographic Technologist (RPSGT) and Registered Sleep Technologist (RST) exam results for each graduating class 3. Results of Graduate and Employer Questionnaires	1. Meet or exceed the program pass rate of 75% 2. Meet or exceed the national threshold of 65% or greater pass rate 3. Graduates will rate their competency as very good or excellent. Employers will rate the graduates as very good or excellent.
2. Given sleep study parameters, the student will be able to calibrate the appropriate polysomnography equipment, regularly document necessary data during testing, identify and respond to data issues, and identify and respond to patient needs.	1. Capstone clinical simulation and RPSGT practice examination 2. RPSGT and RST results for each graduating class 3. Results of Graduate and Employer Questionnaires	1. Meet or exceed the program pass rate of 75% 2. Meet or exceed the national threshold of 65% or greater pass rate 3. Graduates will rate their competency as very good or excellent. Employers will rate the graduates as very good or excellent.
3. Given a patient's sleep study data, the student will be able to assess the patient need for treatment and intervention of the sleep disorder, perform PAP titrations and oxygen administration when needed, and troubleshoot during sleep studies.	1. Capstone clinical simulation and RPSGT practice examination 2. RPSGT and RST results for each graduating class 3. Results of Graduate and Employer Questionnaires	1. Meet or exceed the program pass rate of 75% 2. Meet or exceed the national threshold of 65% or greater pass rate 3. Graduates will rate their competency as very good or excellent. Employers will rate the graduates as very good or excellent.

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4. Given the task of completing post-sleep study procedures, the student will be able to remove, clean, and disinfect sensors and interfaces, perform patient discharge procedures, and summarize and store study data.	1. Capstone clinical simulation and RPSGT practice examination 2. RPSGT and RST results for each graduating class 3. Results of Graduate and Employer Questionnaires	1. Meet or exceed the program pass rate of 75% 2. Meet or exceed the national threshold of 65% or greater pass rate 3. Graduates will rate their competency as very good or excellent. Employers will rate the graduates as very good or excellent.
5. Given the scenario of analyzing sleep study data, the student will be able to stage sleep and mark arousals from sleep, score respiratory events, movements, and cardiac events, identify waveform variations and artifact, generate sleep study reports and archive data.	1. Capstone clinical simulation and RPSGT practice examination 2. RPSGT and RST results for each graduating class 3. Results of Graduate and Employer Questionnaires	1. Meet or exceed program pass rate of 75% 2. Meet or exceed the national threshold of 65% or greater pass rate 3. Graduates will rate their competency as very good or excellent. Employers will rate the graduates as very good or excellent.