

Polysomnography

Polysomnography Suggested Course Sequence

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2023-2024 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with your academic advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details. Visit the Academic Advising page for instructions on locating your assigned advisor: <https://www.cpcc.edu/academics/academic-advising>

Term I		Credits
BIO 163	Basic Anatomy & Physiology	5.0
MED 121	Medical Terminology I	3.0
PSG 110	Intro to Polysomnography	4.0
PSG 112	Polysomnography Fundamentals	3.0
PSG 214	PSG Clinical Applications I	1.0
ACA 122	College Transfer Success	1.0
Credits		17
Term II		
ENG 111	Writing and Inquiry	3.0
MED 118	Medical Law and Ethics	2.0
PSG 111	Neuro/Cardiopulmonary A&P	4.0
PSG 113	Polysomnography Instrumentation	3.0
PSG 114	Polysomnography Clinical Education I	3.0
Credits		15
Term III		
MAT 143	Quantitative Literacy	3.0
CIS 110	Introduction to Computers	3.0
ENG 112 or ENG 114	Writing and Research in the Disciplines or Professional Research & Reporting	3.0
Credits		9
Term IV		
PSG 210	Polysomnography I	7.0
PSG 212	Infant/Pediatric Polysomnography	4.0
PSG 215	PSG Clinical Applications II	1.0
Credits		12
Term V		
PSG 211	Polysomnography II	7.0
PSG 213	Case Study/Exam Review	1.0
PSY 150	General Psychology	3.0
Humanities/Fine Arts		3.0
Credits		14
Total Credits		67

PSG 110. Intro to Polysomnography. 4.0 Credits. Class-3.0. Clinical-0.0. Lab-2.0. Work-0.0

This course introduces the polysomnography profession. Topics include the history of the profession and role of the polysomnographic technologist, communication, time management, infection control, basic patient assessment, and medical gas therapy. Upon completion, students should be able to demonstrate competence in concepts through written and laboratory evaluations.

PSG 111. Neuro/Cardiopulmonary A&P. 4.0 Credits. Class-4.0. Clinical-0.0. Lab-0.0. Work-0.0

This course provides a concentrated study of anatomy and physiology essential to the practice of polysomnography. Emphasis is placed on the physiology of the nervous, cardiovascular, and pulmonary systems and basic pharmacological principles. Upon completion, students should be able to demonstrate competence in concepts through written evaluation. Prerequisites: Take One Set: Set 1: Take BIO 163; Set 2: Take BIO 165 and BIO 166; Set 3: Take BIO 168 and BIO 169

PSG 112. Polysomnography Fundamentals. 3.0 Credits. Class-3.0. Clinical-0.0. Lab-0.0. Work-0.0

This course provides the knowledge and skills necessary to manage/function in a polysomnographic laboratory. Topics include recordkeeping, scheduling techniques, creation/implementation of departmental policies, reimbursement, the technologist's role as sleep advocate, and case management/patient education. Upon completion, students should be able to demonstrate competence in concepts through written evaluation.

PSG 113. Polysomnography Instrumentation. 3.0 Credits. Class-2.0. Clinical-0.0. Lab-2.0. Work-0.0

This course introduces the fundamental concepts of sleep technology electrical equipment and recording of bio-electric potentials. Topics include Ohm's Law; common mode rejection; components related to recording bio-electric potentials; function and application of sleep technology equipment; and construct/verify montages. Upon completion, students should be able to demonstrate competence in polysomnography equipment, instrumentation, recording of bioelectric potential concepts, and ancillary electrical signals through written and laboratory evaluations.

Prerequisites: Take PSG 110

PSG 114. Polysomnography Clinical Education I. 3.0 Credits. Class-0.0. Clinical-9.0. Lab-0.0. Work-0.0

This course provides orientation to the polysomnography clinical environment. Emphasis is placed on work flows, reviewing patient charts and orders, patient preparation and hook-ups, and proper time management. Upon completion, students should be able to demonstrate successful completion of polysomnography clinical learning outcomes. Prerequisites: Take PSG 110

PSG 210. Polysomnography I. 7.0 Credits. Class-3.0. Clinical-9.0. Lab-2.0. Work-0.0

This course provides entry-level didactic, laboratory, and clinical training in polysomnography. Emphasis is placed on medical terminology, instrumentation setup and calibration, recording and monitoring techniques, and patient-technologist interactions. Upon completion, students should be able to demonstrate competence in concepts and procedures through written, laboratory and clinical evaluations. Prerequisites: Take One: PSG 111 or PSG 189

PSG 211. Polysomnography II. 7.0 Credits. Class-2.0. Clinical-9.0. Lab-6.0. Work-0.0

This course provides advanced-level didactic, laboratory, and clinical training in polysomnography. Emphasis is placed on the knowledge and skills necessary to obtain and evaluate high quality sleep recordings. Upon completion, students should be able to demonstrate competence in concepts and procedures through written, laboratory and clinical evaluations.

Prerequisites: Take PSG 210

PSG 212. Infant/Pediatric Polysomnography. 4.0 Credits. Class-3.0.
Clinical-0.0. Lab-2.0. Work-0.0

This course provides the knowledge and skills to perform and score polysomnographic procedures on infants and pediatric patients. Emphasis is placed on infant/pediatric assessment, monitoring, and sleep disorders. Upon completion, students should be able to demonstrate competence in concepts through written and laboratory evaluations.

PSG 213. Case Study/Exam Review. 1.0 Credit. Class-0.0. Clinical-0.0.
Lab-3.0. Work-0.0

This course provides an opportunity to review clinical cases and prepare for the polysomnography credentialing exam. Emphasis is placed on case management and review for the Registered Polysomnographic Technologist Exam. Upon completion, students should be able to successfully complete practice exams.

PSG 214. PSG Clinical Applications I. 1.0 Credit. Class-0.0. Clinical-0.0.
Lab-2.0. Work-0.0

This course provides practical application of theories covered in previous PSG courses. Emphasis is placed on polysomnography testing and procedures. Upon completion, students should be able to demonstrate competence through laboratory evaluation.

PSG 215. PSG Clinical Applications II. 1.0 Credit. Class-0.0.
Clinical-0.0. Lab-2.0. Work-0.0

This course provides practical application of theories covered in previous PSG courses. Emphasis is placed on polysomnography testing and procedures. Upon completion, students should be able to demonstrate competence through laboratory evaluation.