

Polysomnography

Polysomnography (A45670)

Degree Awarded

The Associate in Applied Science Degree – Polysomnography is awarded by the college upon completion of this program.

Admissions

- Complete an admissions application to Central Piedmont.
- Submit high school transcripts, as well as any college transcripts, to Admissions, Records & Registration.
- Take the required placement tests.
- Complete any required Developmental classes with a “C” or better.
- Complete and submit a Polysomnography admissions packet.
- Applications must present evidence of good physical and mental health appropriate for students to meet the clinical standards of the profession. A physical examination documenting the applicant’s ability to complete all program requirements is required.
- Students must be selected to enter the Polysomnography program. Upon acceptance and enrollment in the program, students must take all courses as scheduled and sequenced.
- Continued progression in the program requires a grade of “C” or better in each PSG prefix course in each semester.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Please refer to enrollment instruction for a degree or transfer student under the Admissions Enroll Now tab.

In any Associate Degree Health Sciences program for which there are more applicants who have completed pre-admission requirements than there are positions, admission points are assigned according to the applicant’s documented record. Criteria for selection include scores on the past academic performance, and experience in the field of interest.

Additional Expenses and Requirements

In addition to tuition and textbooks, costs of this program include uniforms, and professional shoes, a physical examination including immunizations and drug screening.

A student must provide documentation of both health-related and accident insurance.

In order to participate in clinical education experiences at health care facilities, students may be required to submit results of a North Carolina state or national criminal background check at their own expense. As a condition of program admission, students may be required to verify that they are United States citizens or are otherwise legally authorized residents of the United States.

All students are required to be certified in Health Care provider B.L.S. CPR.

Contact Information

The Polysomnography program is in the Therapy and Acute Care Division.

For more information, visit the Polysomnography website. For further assistance, contact the program chair at 704-330-2722, ext. 3245.

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General Education Requirements

ENG 111	Writing and Inquiry	3.0
ENG 112	Writing and Research in the Disciplines	3.0
or ENG 114	Professional Research & Reporting	
or ENG 113	Literature-Based Research	
MAT 143	Quantitative Literacy	3.0
PSY 150	General Psychology	3.0
ACA 122	College Transfer Success	1.0
Take 3.0 credits from the following courses:		3.0
ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
DRA 111	Theatre Appreciation	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	

Major Requirements

PSG 110	Intro to Polysomnography	4.0
PSG 111	Neuro/Cardiopulmonary A&P	4.0
PSG 113	Polysomnography Instrumentation	3.0
PSG 210	Polysomnography I	7.0
PSG 211	Polysomnography II	7.0
PSG 112	Polysomnography Fundamentals	3.0
PSG 114	Polysomnography Clinical Education I	3.0
PSG 212	Infant/Pediatric Polysomnography	4.0
PSG 213	Case Study/Exam Review	1.0
PSG 214	PSG Clinical Applications I	1.0
PSG 215	PSG Clinical Applications II	1.0
MED 118	Medical Law and Ethics	2.0
MED 120	Survey of Medical Terminology	2.0
or MED 121	Medical Terminology I	
BIO 163	Basic Anatomy & Physiology	5.0
CIS 110	Introduction to Computers	3.0

Total Credits 66

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.