

Dear Prospective Student,

I would like to introduce you to the field of Polysomnographic Technology. This field has grown rapidly in recent years and there is high demand for well educated and knowledgeable technologists. Currently there are over 100 known sleep disorders, with more being discovered each year. Sleep disorders can lead to both a decreased quality of life and numerous medical complications, some of which are life threatening.

The Polysomnographic Technology Program is designed for students who are eager to enter into a health care field with great opportunities. The program at Stony Brook covers all aspects of Polysomnographic Technology and prepares the student to sit for the national exam offered by the Board of Registered Polysomnographic Technologists. Upon graduation, you will receive a certificate of completion in Polysomnographic Technology. If you would like further information and/or an application, please contact me.

Sincerely,

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Application deadline: July 31, 2008
Apply on-line at:
www.uhmc.sunysb.edu/studserv/applyhsc.html

Polysomnographic Technology Program
Stony Brook University
HSC, Level 2, Room 414A
Stony Brook, NY 11794-8203



*Certificate Program in
Polysomnographic
Technology*

**School of Health Technology
and Management
Respiratory Care Program**



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Polysomnographic Technology Program

The Polysomnographic Technology Program is an 8-month certificate program that utilizes 10 credits of Respiratory Care Program courses plus additional non-credit courses and internships to prepare students to perform diagnostic and therapeutic polysomnograms (sleep studies).

Students will learn how to stage sleep studies and mark/score any and all related events. The data obtained will be used to generate reports for physicians to diagnose the patient's sleep disorder(s) and quantify the overall quality/quantity of the patient's sleep.

The first six months of the program consist of lecture and laboratory sessions that provide ample hands-on experience performing polysomnograms on state of the art equipment. There are also computer work stations set-up to practice staging and scoring of actual patient data.

During the last two months of the program, students will rotate through different clinical sites to perform nocturnal polysomnograms on patients under the direct supervision of a clinical instructor. They will also stage and score real patient studies and discuss results with interpreting physicians.

Why Attend Stony Brook's Polysomnographic Technology Program?

- Low cost/high quality education program
- High name recognition for excellence in Polysomnographic Technology education
- Unique eight month program for students with existing college degrees
- State of the art sleep testing facility for student learning
- 400 hours of clinical rotations at facilities on Long Island
- Nationally recognized University and Health Sciences Center

Courses

Cardiopulmonary Physiology

Topics include cardiopulmonary anatomy, embryology, ventilation, diffusion, blood flow, gas transport, acid-base states, mechanics of ventilation, and basic cardiac function.

Patient Evaluation

Provides concept of historical information, medical terminology, and study of clinical assessment skills.

Cardiovascular Diagnosis and Treatment

Provides the basic technical and interpretive skills required to execute and read an electrocardiogram.

Polysomnography Technology I

Designed to provide entry-level skills with didactic and laboratory training in polysomnographic technology.

Instrumentation in Polysomnography

Explores principles of mechanics, electronics, and electrical theory related to equipment used in polysomnography.

Introduction to Pharmacology

Provides a knowledge base of drug classifications, mechanisms of action, and side effects commonly seen in polysomnography.

Basic Respiratory Care Techniques

Covers therapeutic modalities including gas therapy, humidification, PAP therapy, and low flow oxygen devices.

Advanced Polysomnography

Covers the skills and knowledge needed to evaluate sleep recordings, sleep scoring, and therapeutic interventions.

Polysomnographic Technology Internship 1

Provides clinical training in instrumentation set-up, calibrations, recording, and monitoring techniques.

Polysomnographic Technology Internship 2

Familiarizes students with practical aspects of therapeutic interventions, sleep scoring, equipment troubleshooting, and artifact recognition.

Seminar Readings in Polysomnographic Technology 1

Teaches students how to review and critically analyze current research publications.

Seminar Readings in Polysomnographic Technology 2

Utilizes self-assessment exams to assess each student's technical and clinical skills to prepare the student to take the national exam for polysomnographic technologists.

ACADEMIC PREREQUISITES

- Associates degree, or higher
- Minimum cumulative grade point average (GPA) of 2.5
- Minimum science grade point average (GPA) of 2.0.

All prerequisite courses listed below must be completed with a grade of C or better:

◆ Arts & Humanities	6 credits
◆ English Composition	3 credits
◆ College Level Math	3 credits
◆ Social/Behavioral Sciences	6 credits
◆ Biology	6 credits
◆ Physics	4 credits
◆ Chemistry	8 credits

- Current certification in Basic Life Support (BLS) for Healthcare Providers from the American Heart Association
- Student must maintain current BLS certification while enrolled in the program
- In addition to the required courses, a course in computer skills is recommended.

Clinical Affiliates

Good Samaritan Hospital and Medical Center, W. Islip, NY

John T. Mather Memorial Hospital, Port Jefferson, NY

North Shore LIJ, Manhasset, NY

Stony Brook University Hospital,