Polysomnographic Technologist Certificate Program

Polysomnographic technologists, often called sleep technologists, are the healthcare practitioners who perform a vital role in the diagnosis and treatment of sleep disorders. Polysomnographic (PSG) technologists operate a variety of sophisticated monitoring devices, which record brain activity (EEG), muscle and eye movements, respiration, blood oxygen levels, and other physiologic events. Technologists are also involved in the evaluation of various treatment methods. Polysomnographic technologists are typically employed in sleep laboratories located in medical centers, clinic/office settings, or free standing sleep labs. Some technologists transition into management and marketing of sleep centers, product sales and support, public and patient education regarding sleep disorders.

	Polysomnog <u>Course</u> <u>Prefix</u>	raphic Tec <u>Course</u> <u>Number</u>	hnologist Certificate Curriculum Seq <u>Course Title</u>	Juence	Credit Hours
First Year Summer Term	BIO	137	Human Anatomy & Physiology I		4
Term	MT MT MT	110 145 150	Applied Mathematics OR Contemporary College Mathematics Of College Algebra	OR Total	3 (3) (3) 7
First Year	<u>Course</u> <u>Prefix</u>	<u>Course</u> <u>Number</u>	Course Title		Credit Hours
Fall Term	PSG PSG PSG PSG BIO	100 110 111 115 139	Introduction to Polysomnography Polysomnography Level I Polysomnography Lab I Polysomnography Practice I Human Anatomy & Physiology II	Total	1 3 1 3 4 12
Eland Warn	<u>Course</u> <u>Prefix</u>	<u>Course</u> <u>Number</u>	<u>Course Title</u>		<u>Credit</u> <u>Hours</u>
First Year Spring Term	PSG PSG PSG ENG	130 131 135 101	Polysomnography Level II Polysomnography Lab II Polysomnography Practice II Writing I	Total	3 1 3 <u>3</u> 10
			Total C	redit s	29

It is important to note that the math and human anatomy & physiology I courses must be completed earning a grade of "C" or better PRIOR to taking any of the technical courses. Students may require developmental studies, which must be completed prior to taking the general education courses. Students enrolled in the program are required to achieve a minimum grade of "C" in each of the polysomnography courses as well as the math and human anatomy and physiology courses.

Contact Jim Matchuny at (859) 246-6246 or via email <u>jim.matchuny@kctcs.edu</u> for more information about the program. Polysomnography program web site:

http://www.bluegrass.kctcs.edu/ah/polysomnography_program/

The deadline to apply to the program on the Bluegrass Community and Technical College Campus will be February 15th of each year. In order for an application to be considered complete, the following guidelines for admission must be completed:

- 1) Students must submit all documents below in **one envelope** to be considered for the program. Even if you have applied before and/or are currently enrolled, we will need all documents resubmitted to the Office of Admissions, room 200 Oswald Building, Cooper Campus by **February 15, 2010** for admissions to the fall of 2010 program. Students who are **not** currently enrolled in classes at BCTC must fill out an application for Admission to the college, available in 200 Oswald Building and also online. (Write Polysomnography Program for the "Academic Plan Name" and for the "Academic Plan Code" write 5109083069 on the application.)
- 2) Official results of the American College Test (ACT) or the Scholastic Assessment Test (SAT) if less than 12 credits of college work have been completed. The college courses must be numbered 100 or higher excluding remedial courses.
- 3) Official transcripts of all post-secondary education attempted. Transcripts must be submitted from EACH college or university attended, including the University of Kentucky and the Kentucky Community and Technical College System, and must show all periods of enrollment.
- 4) Documentation of an observation in a sleep lab is required for admission into the program. (See the attached form.)
- 5) The pre-admission conferences for 2010 will be held on June 9th, September 15th, October 13th, November 10th, from 4:00 -5:00 pm. The January 27, 2011 conference will be held from 3:00-4:00 pm. All of the conferences will be held in room 342 of the Oswald Bldg. No appointment/sign-up is necessary to attend a conference.

All of the documentation listed above must be submitted to:

BCTC Office of Admissions 200 Oswald Bldg., 470 Cooper Drive Lexington, KY 40506-0235

If you are currently enrolled at the college, you will be able to check on the status of your application through "MyBin".

Technical Standards

The polysomnographic technologist specializes in the application of scientific knowledge and theory to provide supportive services related to the diagnosis and ongoing treatment of sleep related problems as outlined in a description of the occupation. Therefore, all applicants should possess:

- 1) Sufficient tactile and visual acuity, such as is needed in the accurate monitoring of physiologic data and for the observation necessary for patient assessment.
- 2) Sufficient auditory perception to receive verbal communication from patients and members of the health care team and to assess health needs of people through the use of monitoring devices.
- 3) Sufficient gross and fine motor coordination to respond promptly and to implement polysomnographic technologist skills, including the manipulation of equipment required in meeting health needs.
- 4) Sufficient communication skills (verbal, non-verbal, and written) to interact with individuals and to communicate their needs promptly and effectively.
- 5) Sufficient intellectual and emotional functions to implement patient care.

Employers may have additional expectations of your physical abilities as a technologist. Common additional expectations include:

- the ability to exert up to 100 lbs occasionally, and/or 50 lbs frequently, and/or 20 lbs constantly.
- successful criminal background check and drug screening.
- that measures are taken by technologists, as well as students in training, to assure they are well rested for the nights work.

Once admitted to the program and prior to patient contact documentation of the following must be submitted:

1. TUBERCULOSIS SCREENING

- Documentation of a negative Mantoux PPD skin test within six weeks prior to initial enrollment.
- If known positive, physician documentation of the positive test and a negative chest x-ray.
- Annual TB screening while the student remains enrolled.

2. MMR

- Proof of immunity to rubella, rubeola and mumps if born in 1957 or later. One of the following may be used as documentation:
 - Documentation of two MMR vaccines with the first at 12 months or older.
 - Documentation by a physician of having had rubeola, rubella and mumps diseases.
 - Documentation of positive rubeola, rubella and mumps titers.

3. HEPATITIS B (series to be initiated by the first day of classes)

- A series of three injections at recommended intervals or documentation of a protective Hepatitis B surface antibody titer (>10 mIU/mL).
- For students completing the series of three injections after January 1, 1999, a Hepatitis B titer drawn 1-2 months after completing the series of three injections.
- If the Hepatitis B titer is negative after the initial series of three injections, the series of three injections should be repeated and a repeat titer drawn. If the titer remains negative, appropriate clinical evaluation is indicated.

4. VARICELLA

- 1. Proof of immunity to varicella by one of the following
 - 2. Positive (oral) history of chicken pox
 - 3. Positive antibody titer
 - 4. Immunization with varicella vaccine. (Full immunization requires a series of two injections. Current recommendations do not support post-immunization titers as commercial tests may lack the sensitivity to detect lower antibody levels associated with immunization compared with natural infection.)
- 5. Evidence of successful completion of an American Heart Association Healthcare Provider CPR course
- **6.** Successful completion of a criminal background check (Details provided once admitted to the program.)

Program Accreditation Status

The program is accredited by the Committee on Accreditation for Polysomnographic Technologists (CoA-PSG), in collaboration with the Committee on Accreditation of Allied Health Education Programs (CAAHEP).

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

1361 Park Street Clearwater, FL 33756

Phone: 727-210-2350 Fax: 727-210-2354 mail@caahep.org

Committee on Accreditation of Polysomnographic Technologists (CoA-PSG) 6 Pine Knoll Dr Beverly, MA 01915-1425 (774) 855-4100 office@coapsg.org

Individuals interested in learning more about the program should contact:

Jim Matchuny at (859) 246-6246 or via email jim.matchuny@kctcs.edu.

http://www.bluegrass.kctcs.edu/ah/polysomnography_program/

POLYSOMNOGRAPHY OBSERVATION/WORK EXPERIENCE FORM

Applicant name			
SS# or PeopleSoft #			
experience is required in an area sleep wellness cen	the field of polysomnography, an observation/work ter. You will be observing patient care so it is a should last a minimum of 4 hours and include most		
Attachment of electrodes and sensors	Patient monitoring		
Patient education	Application of positive airway pressure		
Calibration of equipment	Discussion of the field of polysomnography		
Biocalibrations	Discussion of night shift work		
Other			
Date(s) of observation	_		
Approximate number of hours	_		
Signature of person supervising observation/wor	Date		
Signature of applicant	Date		
This form must be completed and returned by Fe	ebruary 15 th to:		

BCTC Office of Admissions 200 Oswald Building, 470 Cooper Drive Lexington, Kentucky 40506-0235