Respiratory Care

Degrees:

AAS Advanced Practice Respiratory Therapist 68-70

Diploma: Polysomnographic Technologist 36

Certificates: Electrographic & Cardiac Monitoring Technician 17-20

Description:

The Respiratory Care program prepares the graduate to take an active role in the maintenance and/or restoration of cardiopulmonary homeostasis. The curriculum includes intensive course work in the supporting sciences and general education areas. Classroom instruction is supplemented with learning experiences in the campus laboratory and in area clinical affiliates. Students enrolled in the Respiratory Care program are required to achieve a minimum grade of "C" in each Respiratory Care course.

Although hospitals employ the majority of respiratory therapists, other employers include home care providers, medical clinics, nursing homes, and industry. Graduates are qualified to take the National Board for Respiratory Care examination in order to receive the Certified Respiratory Therapist (C.R.T.) credential. Graduates who successfully completed the CRT examination may additionally write the advanced practice examinations and receive the Registered Respiratory Therapist (RRT) credential.

*Note: The Kentucky Board for Respiratory Care may deny mandatory certification for convicted felons. Questions should be directed to the Kentucky Board for Respiratory Care.

Implementation: Fall 2013

Outlines:

Program Title: A.A.S.: Advanced Practice Respiratory Therapist

<u>Course</u> Prefix	<u>Course</u> Number	Course Title	<u>Credit</u> Hours
BIO	137	Human Anatomy & Physiology I*	4
BIO	139	Human Anatomy & Physiology II*	4
MAT	150	College Algebra & Functions* OR	3
MAT	110	Applied Mathematics* OR	(3)
MAT	146	Contemporary College Mathematics*	(3)
		Oral Communications*	3
		Social/Behavioral Science*	3
ENG	101	Writing I*	3
		Heritage/Humanities*	3
		General Education Total	23
		Recommended Additional Course(s)	
ENG	102	Writing II	(3)
BIO	226	Principles of Microbiology OR	(3)
BIO	225	Medical Microbiology	(4)
Technical			
Courses			
RCP	110	Cardiopulmonary Anatomy & Physiology	3
RCP	120	Theory & Principles of Respiratory Care OR	4
RCP	122	Fundamentals of Respiratory Care	(4)
RCP	125	Cardiopulmonary Evaluation OR	4

^{*} Note: Computer literacy must be documented by competency exam or by completing a computer literacy course.

RCP	140	Cardiopulmonary Assessment	(2)
RCP	130	Pharmacology	3 2
RCP	150	Clinical Practice I OR	
RCP	121	Respiratory Care Practice I	(1)
RCP	175	Clinical Practice II OR	3
RCP	176	Respiratory Care Practice II	(2)
RCP	180	Ventilatory Support &	(2) 3
RCP	190	Advanced Ventilatory Support OR	2
RCP	185	Introduction to Mechanical Ventilation &	(2)
RCP	195	Patient-Ventilator System Management	(4)
RCP	200	Clinical Practice III OR	3
RCP	201	Respiratory Care Practice III	(2) 3
RCP	204	Emergency and Special Procedures &	3
RCP	214	Advanced Diagnostic Procedures OR	3
RCP	240	Advanced Cardiopulmonary Evaluation &	(3)
RCP	245	Advanced Cardiac Life Support	(2) 3 3 3
RCP	210	Cardiopulmonary Pathophysiology	3
RCP	212	Neonatal/Pediatric Respiratory Care	3
RCP	225	Clinical Practice IV OR	3
RCP	226	Respiratory Care Clinical Practice IV	(4)
RCP	228	Preventive and Long Term Respiratory Care	3
RCP	250	Clinical Practice V OR	3
RCP	251	Respiratory Care Practice V	(4)
		Elective (BCTC requires RCP 260)	0-1
		Technical Course Credit Total	47
		Technical Course Credit Total	45
		Total Credits	68-70
		* General Education Course	
		RCP courses currently only offered and required at BCTC for	
		degree completion at that college.	

Program Title: Diploma: Polysomnographic Technologist

Course	Course	Course Title	<u>Credit</u>
Prefix	Number		Hours
BIO	137	Human Anatomy & Physiology I*	4
BIO	139	Human Anatomy & Physiology II*	4
ENG	101	Writing I	3
MAT	150	College Algebra* OR	3
MAT	146	Contemporary College Mathematics* OR	(3)
MAT	110	Applied Mathematics*	(3)
AHS	115	Medical Terminology	3
		Subtotal	17
Technical			
Courses			
PSG	100	Introduction to Polysomnography	2
PSG	110	Polysomnography Level I	3
PSG	111	Polysomnography Lab I	1
PSG	115	Polysomnography Practice I	3
PSG	130	Polysomnography Level II	3
PSG	131	Polysomnography Lab II	1
PSG	133	Pathology of Sleep and Related Disorders	3
PSG	135	Polysomnography Practice II	3
		Subtotal	19
		TOTAL	36

* General Education Course

<u>Program Title: Certificate:</u> Electrocardiographic and Cardiac Monitoring Technician

Course	Course	Course Title	Credit
<u>Prefix</u>	Number		Hours
BIO	137	Human Anatomy & Physiology I*	4
BIO	139	Human Anatomy & Physiology II*	4
MAT	150	College Algebra* OR	3
MAT	146	Contemporary College Mathematics* OR	(3)
MAT	110	Applied Mathematics*	(3)
Technical			
Courses			
RCP	110	Cardiopulmonary Anatomy & Physiology	3
RCP	125	Cardiopulmonary Evaluation OR	4
RCP	140	Cardiopulmonary Assessment	(2)
RCP	150	Clinical Practice I OR **	2
RCP	121	Respiratory Care Practice I **	(1)
		** In addition Twenty (20) hours of documented clinical	
		electrocardiographic experience or documented	
		Electrocardiographic & Cardiac Monitoring Competence is	
		required.	
		Total Credits	17-20
		* General Education Course	
		RCP courses currently only offered and required at BCTC	
		to complete certificate.	

Dates of Actions:

Approved: May 2001

Revised: March 2003, May 2003, December 2005, March 2007; October 2008; May 2009; April 2010; March 2012