

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE

**Respiratory Care Program
Associates in Applied Science**

Academic Plan Code – 5109087069

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 hospitals. 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 examination in Respiratory Care in order to receive the Certified Respiratory Therapist (C.R.T.) 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.

	Ventilation	
RRT200	Patient-Ventilator System Management	4
RRT210	Cardiopulmonary Pathophysiology	3
RRT220	Neonatal/Pediatric Respiratory Care	3
RRT221	Respiratory Care Practice IV	4
RRT230	Preventive & Long-term Respiratory Care	2
RRT231	Respiratory Care Practice V	4
RRT240	Advanced Cardiopulmonary Evaluation	3
RRT250	Advanced Cardiac Life Support	2
RRT260	Respiratory Care Seminar	1
	Subtotal Credit Hours	44
	Total Credit Hours	61 - 72

Course Number	Course Title	Credit Hours
General Education Core		
MA 109 or MT150	College Algebra	3
MAH155 or MT110	Applied Mathematics	(3)
BIO 137 BSL 110	Human Anatomy & Physiology I	4
BIO 139 BSL 111	Human Anatomy & Physiology II	4
ENG 101	Writing I	3
ENG 102	Writing II	3
PY 110	General Psychology	3
	Medical Microbiology OR Principles of Microbiology	4 or 3
	Heritage/Humanities/Foreign Language	3 or 4
	Oral Communications	3
	Subtotal Credit Hours	29 - 31
Technical Core or Support Courses		
RRT110	Cardiopulmonary Anatomy & Physiology	3
RRT120	Fundamentals of Respiratory Care	4
RRT121	Respiratory Care Practice I	1
RRT130	Cardiopulmonary Pharmacology	2
RRT131	Respiratory Care Practice II	2
RRT140	Cardiopulmonary Evaluation	2
RRT141	Respiratory Care Practice III	2
RRT150	Introduction to Mechanical	2