

## Associate in Applied Science

### Program Description:

Respiratory Therapy is an allied health program whose practitioners are employed under medical direction to provide treatment, management, diagnostic evaluation, and care to patients with problems associated with the cardiopulmonary system. Job responsibilities vary from the administration of oxygen, humidity, aerosols and the drainage of lung secretions, mechanical ventilation, to the use of technologically sophisticated monitoring devices and treatment techniques to enhance the survival of patients in intensive care units. Respiratory therapists may also perform pulmonary function testing.

The Respiratory Therapy Program is a cooperative effort between Collins Career Center and Marshall Community & Technical College. There are 30 semester credit hours required from Marshall Community & Technical College. The student may either complete the MCTC courses prior to application to the program or finish the courses while completing the Respiratory Therapy courses at Collins Career Center.

### Career Outlook:

Job opportunities are expected to be very good, especially for respiratory therapists with cardiopulmonary care skills or experience working with infants. Employment of respiratory therapists is expected to increase faster than the average for all occupations through the year 2016 because of substantial growth in numbers of the middle-aged and elderly population—a development that will heighten the incidence of cardiopulmonary disease.

### Salary Forecast:

Median annual earnings of respiratory therapists were \$52,200 in May 2008. The middle 50 percent earned between \$44,490 and \$61,720. The lowest 10 percent earned less than \$37,920, and the highest 10 percent earned more than \$69,800. In general medical and surgical hospitals, median annual earnings of respiratory therapists were \$52,870 in May 2008.

Median annual earning of respiratory therapy technicians were \$42,430 in May 2008. The middle 50 percent earned between \$34,490 and \$52,090. The lowest 10 percent earned less than \$28,040 and the highest 10 percent earned more than \$62,530. Median annual earning of respiratory therapy technicians employed in general medical and surgical hospitals were \$44,050 in May 2008.

(Information obtained from Occupational Outlook Handbook, 2008-2009)

### Admission Requirements:

1. The Respiratory Therapy program has selective admissions each year. The first 24 eligible applications received will be admitted to the program. If admitted, there are 57 credit hours of Respiratory Therapy courses to be completed at Collins Career Center. As part of the 57 credit hours, the student will be required to complete clinical practice rotations at area health care facilities.
2. Prior to admission to the Respiratory Therapist program and/or clinical internships, students may be required to document that they have successfully passed a criminal background check and drug screen. For more information concerning the Allied Health criminal background check and drug screen procedure, please contact the Dean of Allied Health and Life Sciences at (304)696-6270.

### Employment Opportunities:

- Home health
- Skilled nursing homes
- Skilled nursing units within an acute care hospital
- Outpatient centers
- Rehabilitation hospitals
- Acute care hospitals
- Physicians office

**Major Code – CR20**

<b>FIRST YEAR</b>	
<p><b>Fall Semester</b></p> <p><i>AH 151 Medical Terminology (EDGE) .....3</i></p> <p><i>BIOL 210 Microbiology .....3</i></p> <p><i>MAT 145 Applications in Algebra .....3</i></p> <p><i>SCI 220 Basic Chemistry<sup>7</sup> .....3</i></p> <p><i>SS 215 Lifespan Psychology .....3</i></p> <p><i>BIOL 257 Introduction to Anatomy &amp; Physiology .....3</i></p> <p><i>ENL 111 Written Communication .....3</i></p> <p><b>TOTAL CREDITS.....21</b></p>	<p><b>Spring Semester</b></p> <p>AH 226 Respiratory Therapy Pharmacology<sup>6</sup> .....3</p> <p>COM 112 Oral Communication .....3</p> <p>RTT 110 Cardiopulmonary Evaluation I .....3</p> <p>IT 101 Fundamentals of Computers (EDGE) .....3</p> <p>RTT 101 Respiratory Care Procedures I .....3</p> <p>RTT 101L Respiratory Care Procedures I Lab .....1</p> <p>CLIN 101 Clinical Practice I .....3</p> <p><b>TOTAL CREDITS.....19</b></p>
<p><b>Summer Semester</b></p> <p>RTT 102 Respiratory Care Physics .....3</p> <p>RTT 111 Cardiopulmonary Pathophysiology .....3</p> <p>CLIN 102 Clinical Practice II .....2</p> <p><b>TOTAL CREDITS.....8</b></p>	
<b>SECOND YEAR</b>	
<p><b>Fall Semester</b></p> <p>RTT 201 Cardiopulmonary Evaluation II .....3</p> <p>RTT 202 Respiratory Care Procedures II .....3</p> <p>RTT 202L Respiratory Care Procedures II Lab .....1</p> <p>RTT 103 Mechanical Ventilatory Technology .....3</p> <p>RTT 103L Mechanical Vent Technology Lab .....1</p> <p>CLIN 103 Clinical Practice III .....3</p> <p><b>TOTAL CREDITS.....14</b></p>	<p><b>Spring Semester</b></p> <p>RTT 204 Mechanical Vent Management .....3</p> <p>RTT 204L Mechanical Vent Management Lab .....1</p> <p>RTT 205 Neonatal/Pediatric Respiratory Care .....3</p> <p>RTT 206 Seminar / Board Review .....3</p> <p>RTT 207 Respiratory Home Care / Rehab .....3</p> <p>CLIN 204 Clinical Practice IV .....3</p> <p><b>TOTAL CREDITS.....16</b></p>
<p><b>Summer Semester</b></p> <p>RTT 208 Clinical Application of Critical Thinking .....3</p> <p>RTT 210 Respiratory Professional Strategies .....2</p> <p>CLIN 205 Clinical Practice V .....4</p> <p><b>TOTAL CREDITS.....9</b></p>	
<p><b>MOUNTWEST CREDIT HOURS: 30      COLLINS CAREER CENTER CREDIT HOURS: 57</b></p> <p><b>TOTAL CREDIT HOURS: 87</b></p>	

**Earn A Degree Graduate Early (EDGE:)**

This program provides students the opportunity to receive credit for their high school EDGE courses.

**Contact Information:**

Adam Swolsky • Cabell Hall, Room 303

Phone: 304-696-3750 or 1-866-N-ROLLED (1-866-676-5533) • E-mail: [swolsky@mctc.edu](mailto:swolsky@mctc.edu)

1. Cooperative degree between Marshall Community & Technical College and Collins Career Center.
2. Respiratory classes (RTT) have a prerequisite of admission to Respiratory Therapy Program and are taught by Collins Career Center faculty.
3. Marshall Community & Technical College classes are indicated by italics.
4. For information on admission to Respiratory Therapy program contact, Tommie Weaver at Collins Career Center (740) 867-6641 Ext. 415.
5. Students move through Respiratory Therapy coursework in sequence, beginning with first quarter coursework.
6. AH 226 has a prerequisite of admission to Respiratory Therapy program and AH 151.
7. SCI 220 has a prerequisite of MAT 145 OR MAT 150