

Respiratory Therapy, AAS (Collins)

Academic Year 2024-2025

Program Description:

The Respiratory Therapy Program is a cooperative effort between Collins Career Center and Mountwest Community & Technical College. There are 23 semester credit hours required from Mountwest 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.

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.

Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Program Outcomes:

- Acquiring and evaluating clinical data
- Assessing to cardiopulmonary status of patients
- Performing and assisting in the performance of prescribed diagnostic studies such as: obtaining blood samples, blood gas analysis, pulmonary function testing, and polysomnography
- Evaluating data to assess the appropriateness of prescribed respiratory care
- Establishing therapeutic goals for patients with cardiopulmonary disease
- Participating in the development and modification of respiratory care plans
- Case management of patients with cardiopulmonary and related diseases
- Initiating prescribed respiratory care treatments, evaluating and monitoring patients responses to such therapy and modifying the prescribed therapy to achieve the desired therapeutic objectives
- Initiating and conducting prescribed pulmonary rehabilitation
- Providing patient, family, and community education
- Promoting cardiopulmonary wellness, disease prevention, and disease management
- Participating in life support activities as required and promoting evidence-based medicine, research, and clinical practice guidelines

Admission Requirements:

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 48 credit hours of Respiratory Therapy courses to be completed at Collins Career Center. As part of the 48 credit hours, the student will be required to complete clinical practice rotations at area health care facilities.

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.

Contact Information:

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Mountwest empowers students to learn and lead in the community and in the workforce.

www.mctc.edu

Mountwest Community & Technical College
Academic Year 2024-2025

03/18/2024

Respiratory Therapy¹—Major Code CR20

Name:					ID Number 942-		
Educational Counselor:							
Faculty Advisor:							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
AH 151	Medical Terminology (EDGE)		3				
BIOL 257	Intro to Anatomy and Physiology		3				
ENL 101	Written Communication ²		3				
MAT 120	Applied Professional Math		3				
AH 226	Respiratory Therapy Pharmacology		3				
RTT 100	Intro to Respiratory Care		1				
			16				
PSYC 215	Lifespan Psychology		3				
COM 112	Oral Communication		3				
CLIN 101	Clinical Practice I		3				
RTT 101	Respiratory Care Procedures I ³		3				
RTT 101L	Respiratory Care Procedures I Lab		1				
RTT 110	Cardiopulmonary Evaluation I		3				
			16				
CLIN 102	Clinical Practice II ⁴		2				
RTT 111	Cardiopulmonary Pathophysiology ⁵		3				
RTT 201	Cardiopulmonary Evaluation II ⁶		3				
			8				
CLIN 103	Clinical Practice III ⁷		3				
RTT 202	Respiratory Care Procedures II		3				
RTT 202L	Respiratory Care Procedures II Lab		1				
RTT 103	Mechanical Ventilatory Tech ⁸		3				
RTT 103L	Mechanical Ventilatory Tech Lab		1				
			11				
CLIN 204	Clinical Practice IV ⁹		3				
RTT 204	Mechanical Vent Management ¹⁰		3				
RTT 204L	Mechanical Vent Management Lab		1				
RTT 205	Neonatal/Pediatric Respiratory Care ¹⁰		3				
RTT 207	Respiratory Home Care/Rehab ¹¹		3				
			13				
CLIN 205	Clinical Practice V ¹²		2				
RTT 206	Seminar/Board Review ¹³		3				
			5				
	Hours Required for Graduation:		69				

¹ Students move through Respiratory Therapy coursework in sequence, beginning with first semester coursework.

² ENL 101 has a prerequisite of placement in 100-level English or a co-requisite of ENL 095. Students must earn a "C" or better in ENL 101 to graduate.

³ RTT 101 has a prerequisite of RTT 102.

⁴ CLIN 102 has a prerequisite of CLIN 101.

⁵ RTT 111 has a prerequisite of RTT 101 and RTT 201.

⁶ RTT 201 has a prerequisite of RTT 102.

⁷ CLIN 103 has a prerequisite of CLIN 102.

⁸ RTT 103 has a prerequisite of RTT 111 and RTT 202.

⁹ CLIN 204 has a prerequisite of CLIN 103.

¹⁰ RTT 204 and RTT 205 has a prerequisite of RTT 103 and RTT 203.

¹¹ RTT 207 has a prerequisite of RTT 204, and RTT 205.

¹² CLIN 205 has a prerequisite of CLIN 204.

¹³ RTT 206 has a prerequisite of RTT 207, and RTT 210.