



Academic & Career **PATHWAYS**

Bachelor in Applied Science (BAS) Respiratory Care Program – Advising Guide

A Bachelor of Applied Science (BAS) in Respiratory Care is a four-year degree program. The program combines a strong foundation in the biological and medical sciences with specialized coursework in respiratory care. The goal is to equip students with the knowledge and skills necessary to become competent respiratory therapists. Graduates of a BAS in Respiratory Care program are eligible to take the National Board for Respiratory Care (NBRC) credentialing exams, which are required to become a licensed and certified respiratory therapist (CRT or RRT). Respiratory therapists play a critical role in helping patients with respiratory and cardiopulmonary issues breathe easier and improve their quality of life. A BAS in Respiratory Care equips students with the knowledge and skills needed to excel in this rewarding healthcare profession.

MCC is currently seeking CoARC accreditation for the respiratory care program. However, MCC can provide no assurance that accreditation will be granted by the CoARC.

Complete all the courses below to earn the BAS in Respiratory Care and the highlighted courses only to earn the AS in Pre-Professional Studies Health Emphasis.

Course		Degree Requirements Met	Credits	Action Steps
Semester 1 – Fall				
<input type="checkbox"/>	CHEM 105 Introductory Chemistry for Health Science	Program Requirement	5	<ul style="list-style-type: none"> Meet with Student Success Advisor to build degree plan
<input type="checkbox"/>	BIO 110 Human Anatomy	Program Requirement	5	
<input type="checkbox"/>	PSYC140 General Psychology	General Education	3	
<input type="checkbox"/>	PHIL 100 Introduction to Philosophy OR PHIL 203 Ethics Choose one	Humanities & Fine Arts	3	
Total Semester Credits			16	
Semester 2 – Spring				
<input type="checkbox"/>	BIOL 210 Human Physiology	Program Requirement	5	<ul style="list-style-type: none"> Meet with Student Success Advisor Complete Civics Exam with 70% or higher
<input type="checkbox"/>	BIOL 137 Pathophysiology	Program Requirement	4	
<input type="checkbox"/>	English 101 Composition & Reading 1	General Education	3	
<input type="checkbox"/>	POLS136 Introduction to U.S. National Politics	Civics	3	
Total Semester Credits			15	
Semester 3 – Fall				
<input type="checkbox"/>	ENG 102 Composition & Reading 2	General Education	3	<ul style="list-style-type: none"> Meet with Student Success Advisor Apply to program
<input type="checkbox"/>	BIO 208 Microbiology	Program Requirement	5	
<input type="checkbox"/>	MATH120 College Algebra	General Education	3	
<input type="checkbox"/>	Humanities & Fine Arts Course, CORE 42 Approved Choose one	Elective	3	
Total Semester Credits			14	

Semester 4 - Spring				
<input type="checkbox"/>	SOCI 160 Sociology	Social & Behavioral Sciences	3	• Meet with Student Success Advisor
<input type="checkbox"/>	PSYC 243 Human Lifespan Development	Program Requirement	4	
<input type="checkbox"/>	COMM 100 Fundamentals of Speech OR COMM 102 Fundamentals of Human Communication Choose one	Oral Communication	3	
<input type="checkbox"/>	MATH115 Statistics	Elective	3	
<input type="checkbox"/>	Humanities & Fine Arts Course, CORE 42 Approved Choose one	Elective	3	
Total Semester Credits			16	
Semester 5 – Fall				
<input type="checkbox"/>	RESP 211 Cardiopulmonary & Renal A&P	Program Requirement	2	• Meet with Student Success Advisor
<input type="checkbox"/>	RESP 212 Fundamentals of Respiratory Care	Program Requirement	6	
<input type="checkbox"/>	RESP 213 Respiratory Care Pharmacology	Program Requirement	2	
<input type="checkbox"/>	BIOL 150 Medical Terminology	Program Requirement	2	
Total Semester Credits			12	
Semester 6 – Spring				
<input type="checkbox"/>	RESP 311 Respiratory Critical Care 1	Program Requirement	4	• Meet with Student Success Advisor
<input type="checkbox"/>	RESP 330 Clinical Applications 1	Program Requirement	2	
<input type="checkbox"/>	RESP 312 Pathophysiology of Respiratory Care	Program Requirement	2	
<input type="checkbox"/>	RESP 313 Neonatal/Pediatric Respiratory Care	Program Requirement	2	
<input type="checkbox"/>	RESP 314 Respiratory Care Diagnostics	Program Requirement	4	
Total Semester Credits			14	
Semester 7 – Summer				
<input type="checkbox"/>	RESP 323 Pathophysiology of Respiratory Care 2	Program Requirement	2	• Meet with Student Success Advisor
<input type="checkbox"/>	RESP 331 Clinical Applications 2	Program Requirement	6	
Total Semester Credits			8	
Semester 8 – Fall				
<input type="checkbox"/>	RESP 433 Clinical Specialty 1	Program Requirement	3	• Meet with Student Success Advisor
<input type="checkbox"/>	RESP 420 Respiratory Critical Care 2	Program Requirement	4	
<input type="checkbox"/>	RESP 432 Clinical Applications 3	Program Requirement	6	
Total Semester Credits			13	• Meet with Career Center
Semester 9 – Spring				
<input type="checkbox"/>	RESP 421 Senior Seminar	Program Requirement	6	• Apply for Graduation
<input type="checkbox"/>	RESP 434 Clinical Specialty 2	Program Requirement	6	
Total Semester Credits			12	
Credits Required for BAS Respiratory Care Degree			120	• Apply for jobs
Credits Required for 60-62 Associate in Science Pre-Professional Studies Health Emphasis			60	
*The BAS in Respiratory Care requires a minimum of 120 total credits to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.				

This Pathway Map is an advising tool designed for full-time students and identifies the course recommendations for timely degree completion. All pathway maps can be modified to fit the individual needs of students. All students are encouraged to meet with their success advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

Please note:

- Courses may require a prerequisite or appropriate placement, see the [Academic Catalog](#) for additional information.
- This is a selective admissions program to which students must apply and be admitted. Please see the website for admission requirements.