

# Respiratory Care

## Guided Pathway to Success - Year 1

East Central College offers the Respiratory Care program through the Missouri Health Professions Consortium (MHPC) and is coordinated through East Central College as a hybrid program. The AAS in Respiratory Care is a one-plus-one-degree program which prepares students to practice as Registered Respiratory Therapist (RRT) and to become state licensed as a Respiratory Care Practitioner. Upon graduation, students will receive their Associate of Applied Science Degree in Respiratory Care and will be eligible to take the Therapist Multiple Choice (TMC) and Clinical Simulation Exam (CSE) administered by the National Board for Respiratory Care (NBRC) to obtain the Registered Respiratory Therapy (RRT) credential.

Registered Respiratory Therapists (RRT) work with critical and non-critical patients in a variety of settings which include hospitals, surgery centers, rehabilitation centers, education, research, and medical equipment sales.

Prerequisites/General Education: A selective admission process is utilized. Students must have a "C" or better in all prerequisite coursework, have a cumulative college GPA of 2.5, and complete a minimum of 8 hours of job shadowing, and complete a pre-entrance exam to apply to the program.

Extra-Curricular/Cocurricular Opportunities at ECC: ECC offers a wide variety of clubs and cocurricular activities for all students.

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
COL 100	Campus Orientation	0	
COL 101	Falcon Seminar: Health Science	1	
ENG 101 or ENG 114	CORE 42 Written Communications Requirement English Comp I or Honors Comp I	3	
COM 101 or COM 110	CORE 42 Oral Communications Requirement Oral Communications or Public Speaking	3	
Varies	CORE 42 Mathematics Requirement MTH 110 Intermediate Algebra (Recommended), MTH 140 Contemporary Math, or MTH 150 Statistics, or higher	3-5	
Varies	CORE 42 Civics Requirement	3	
PSC CIVICS	Civics Achievement Exam	0	
Total Credit Hours: 13-15			

### MILESTONE NOTES

Complete Math Requirement

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
PSY 101	General Psychology	3	
HSC 113	Medical Terminology	3	
BIO 206	Anatomy & Physiology I	4	
BIO 207	Anatomy & Physiology II	5	
Total Credit Hours: 15			

### MILESTONE NOTES

Complete BIO 206

Updated 7/2025

# Respiratory Care

## Guided Pathway to Success - Year 2

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COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
RSC 101	Fundamentals of Respiratory Care	3	Fall
RSC 110	Respiratory Physiology	3	Fall
RSC 115	Respiratory Equipment & Therapeutics	3	Fall
RSC 120	Respiratory Care Clinical I	1	Fall
RSC 121	Respiratory Care Lab I	2	Fall
RSC 165	Respiratory Pharmacology	2	Fall
Total Credit Hours: 14			

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
RSC 105	Introduction Respiratory Disease	3	Spring
RSC 155	Mechanical Ventilation	3	Spring
RSC 160	Cardiopulmonary Diagnostics	3	Spring
RSC 170	Respiratory Care Clinical II	2	Spring
RSC 171	Respiratory Care Lab II	1	Spring
RSC 205	Specialized Respiratory Procedures	3	Spring
Total Credit Hours: 15			

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
RSC 150	Advanced Respiratory Care	3	Summer
RSC 201	Neonatal & Pediatric Respiratory Care	3	Summer
RSC 220	Respiratory Care Clinical III	3	Summer
RSC 221	Respiratory Care Lab III	1	Summer
RSC 291	Respiratory Care Capstone	2	Summer
Total Credit Hours: 12			

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