

# RESPIRATORY THERAPY (BACHELOR OF SCIENCE, B.S.)

## Overview

Missouri Western offers a Bachelor of Science in Respiratory Therapy. Respiratory Therapy students are trained to assess and treat people with breathing disorders, manage life support devices, maintain airways, deliver medication, draw and analyze blood, perform lung expansion and airway clearance and deliver therapeutic medical gasses. Registered Respiratory Therapists often work in hospitals, intensive care units including neonatal, pediatric, heart surgery and pulmonary ICUs. They also work in emergency departments, on rapid response and code blue teams, in labor and delivery and in operating rooms. The program is governed by the Commission on Accreditation for Respiratory Care (CoARC). Visit the CoARC website (<https://coarc.com/>) to obtain more information about Respiratory Therapy. CoARC, 264 Precision Blvd Telford, TN 37690 USA.

## Admission

The Respiratory Therapy (RT) program has a selective entrance policy.

Application to the program is made separately from application for admission to Missouri Western. Students interested in becoming a Registered Respiratory Therapist should contact the Program Director for Respiratory Therapy at 816-271-4309 or [dnorthrop@missouriwestern.edu](mailto:dnorthrop@missouriwestern.edu). Applicants must meet the following minimum requirements:

- The applicant must have a minimum overall cumulative GPA of 2.5 (Contact Program Director if GPA is below a 2.5 and interested in becoming a respiratory therapist).
- The TEAS test, better known as the "Test of Essential Academic Skills," is an entry-level exam which measures the current aptitude level of an individual seeking entry into the field of Health Sciences. The Respiratory Therapy program strongly encourages you to take this test in order to determine if you would have a high likelihood of academic success as indicated by a test result of 58.7% or above. The program may use the TEAS results when selecting students for admission; taking the TEAS could be advantageous in the selection process especially if other required criteria is absent.
  - TEAS sign up: <https://www.missouriwestern.edu/mwsu-testing-centers/ati-teas/>
  - Test results must have occurred within the past three years from the date of application to be valid and counted as part of your application materials.
- The applicant must have completed or currently enrolled in all general studies and respiratory therapy support courses (and earn a grade of C or higher in each support class, as well as MAT 110 Contemporary Problem Solving, MAT 110E Contemporary Problem Solving, MAT 112 Finite Mathematics, or MAT 116 College Algebra). (Contact Program Director if lacking one of the required support courses.)
- The review of applications includes assessment of resume, letter of intent and personal statement and unofficial transcripts. Deadlines for applications for preferred admittance is May 15th. (Acceptance of applications after May 15th will occur until cohort is full or until one week prior to beginning of semester.)

## Requirements

Students who choose this bachelor degree program will have no more than 6 years from admission or subsequent declaration to meet the

requirements listed below. If certification, accreditation or statutory requirements change and additional requirements become effective during this time, the new requirements take precedence.

**Note:** Students pre-admitted into the bachelor degree program (pre-major) have three years to meet admission requirements before moving to the overall 6 year time-frame allowed to complete the program requirements.

Code	Title	Credit Hours
<b>General Studies</b>		<b>42</b>
Students must complete General Studies courses ( <a href="http://catalog.missouriwestern.edu/undergraduate/university-information/academic-standards-regulations/baccalaureate-degree/#bachelor-general-studies">http://catalog.missouriwestern.edu/undergraduate/university-information/academic-standards-regulations/baccalaureate-degree/#bachelor-general-studies</a> )		
<b>Major Requirements</b>		<b>97-98</b>
ALH 320	Community and Public Health	3
ALH 330	Introduction to Epidemiology and Biostatistics	3
EXS 304	Physiology of Exercise	3
EXS 400	Advanced Cardiovascular Exercise Physiology	3
EXS 451	Research Methods in Allied Health Professions	3
or SWK 470	Program Evaluation	
RES 250	Concepts of Respiratory Therapy	4
RES 300	Cardiopulmonary Assessment	3
RES 310	Respiratory Clinical Practice I	3
RES 315	Respiratory Diagnostics I	3
RES 325	Pharmacology for the Respiratory Therapist	3
RES 360	Respiratory Clinical Practice II	3
RES 400	Mechanical Ventilation	4
RES 405	ACLS/PALS	3
RES 410	Respiratory Clinical Practice III	4
RES 415	Respiratory Diagnostics II	3
RES 430	Neonatal and Pediatric Respiratory Care	4
RES 460	Respiratory Clinical Capstone	4
RES 470	Senior Seminar - NBRC Prep	3
RSM 300	Philosophy and Leadership in Recreation and Sport Management	3
SWK 365	Death And Dying	3
<b>Support Courses</b>		
ALH 106	Medical Terminology	2
BIO 101	Principles of Biology	4
BIO 250	Anatomy and Physiology	5
BIO 251	Medical and Public Health Microbiology	4
BIO 375	Pathophysiology	4
CHE 101	Introductory Chemistry	4-5
or CHE 111	General Chemistry I	
PHL 230	Ethics	3
or PHL 231	Healthcare Ethics	
or PHL 232	Business Ethics	

PSY 101	General Psychology	3
PSY 240	Life-Span Developmental Psychology	3

## Program Graduation Requirements

1. Earn a grade of C or higher in all major coursework.
2. Earn an overall GPA of at least 2.0 and a major GPA of at least 2.0.

## University Graduation Requirements

1. Earn a minimum of 120 credit hours (100 level and higher, maximum of 6 CED credit hours applicable).
2. Earn a minimum of 30 credit hours in upper-division courses. Lower-division transfer courses accepted as meeting upper-division departmental course requirements cannot be used to fulfill this requirement.
3. Earn 30 of the last 45 credit hours at MWSU in institutional coursework (exclusive of credit by examination).
4. Participate in required departmental and campus wide assessments.
5. Fulfill the Missouri Constitution requirement.
6. Successfully pass the Missouri Higher Education Civics Achievement exam.