

**Sample Curriculum:
Pre-requisite work at St. Charles Community College +
Respiratory Therapy course work at St. Louis Satellite campus**

Freshman Year: Fall Semester

MAT 160	College Algebra	4 credit hours
PSY 101	General Psychology	3 credit hours
HIST 101, 102, 115, 270; POL 101 or 102	US History or Gov't	3 credit hours
ENG 102	English Exposition	3 credit hours
	Humanity Elective	3 credit hours

Freshman Year: Spring Semester

BIO 150 or 101+103	General Biology (lecture and lab)	5 credit hours
CHM 115 or 110+113	General Chemistry (lecture and lab)	5 credit hours
SOC 101	Rural Sociology/ Sociology	3 credit hours
	Humanity Elective	3 credit hours

Sophomore Year: Fall Semester

PHY 150+153	Physics (with college algebra as a pre-req)	4 credit hours
BIO 240+243	Anatomy (lecture and lab)	5 credit hours
MAT 175	Statistics (college algebra as a pre-req)	3 credit hours
	Humanities elective	3 credit hours

Sophomore Year: Spring Semester

BIO 241+244	Elements of Physiology	5 credit hours
BIO 245+247	Microbiology	4 credit hours
HIT 110	Medical Terminology	3 credit hours

To satisfy MU general education requirements, students must complete one 2000+ level humanities course or one 2000+ level behavioral/science course.

This schedule is intended as a sample only. All pre-professional level students should seek advising through St. Charles Community College student development office or with Dr. Shawna Strickland, University of Missouri Respiratory Therapy Program Director.

Junior Year: Summer Semester in the RT Program

RT 3000	Fundamentals of Respiratory Care	1 credit hour (internet)
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Junior Year: Fall Semester at St. Louis Satellite

HP 3200	Essentials of Pathology	2 credit hours
RT 3220	Equipment & Techniques	5 credit hours
RT 3290	Pharmacology	2 credit hours
RT 3941	Clinical Practice I	2 credit hours
RT 4040	Pathophysiology	5 credit hours

Junior Year: Spring Semester at St. Louis Satellite

CPD 3460	Cardiopulmonary Applications I	3 credit hours
RT 3420	Ventilator Applications	3 credit hours
RT 3440	Mechanical Ventilation Lab	3 credit hours
RT 3492	Clinical Practice II	4 credit hours
RT 4020	Perinatal-Neonatal Respiratory Care	3 credit hours

Senior Year: Summer Semester at St. Louis Satellite

RT 3943	Clinical Practice III (intersession course)	2 credit hours
RT 4220	Community/patient education I	1 credit hour (internet)
RT 4240	Pulmonary Rehabilitation	3 credit hours (internet)
CPD 4460	Cardiopulmonary Applications II	3 credit hours

Senior Year: Fall Semester at St. Louis Satellite + online classes

CPD 4440	Organization & Administration	3 credit hours (internet)
CPD 4500	Disaster planning in health care	1 credit hour (internet)
CPD 4955	Introduction to Research (writing intensive course)	3 credit hours (internet)
RT 4420	Pediatric Respiratory Care	3 credit hours (internet)
RT 4620	Pulmonary Function Technology	1 credit hour
RT 4940	Clinical Practice IV	5 credit hours

Senior Year: Spring Semester (online classes and clinical rotations only)

RT 4460	Clinical Respiratory Therapy I (writing intensive course)	3 credit hours (internet)
RT 4290	Community Health Education II	1 credit hour (internet)
RT 4973	Clinical Practice V	5 credit hours (capstone)
RT 4983	Clinical Practice VI	4 credit hours (capstone)
RT 4993	Clinical Practice VII	5 credit hours (capstone)

*Applications for admission to the MU Respiratory Therapy program are due by February 1 (spring semester, sophomore year).

School of Health Professions
Bachelor of Health Science Degree
Respiratory Therapy
St. Louis Campus Sample Curriculum

Freshman Year

<i>Fall Semester</i>			
HP / RT	1000	Intro to HP/RT (optional)	1 hr
Math	1100	College Algebra	3 hrs
Psych	1000	General Psychology	3 hrs
Hist 1100 or 1200 or PS 1100/1700		Hist, Gov't or PS	3 hrs
Chem	1310	General Chemistry I	2 hrs
		Humanities	3 hrs

<i>Spring Semester</i>			
Biol	1010/1020 or 1500	General Biol (lect/lab)	5 hrs
Chem	1320	Gen Chemistry II (lect/lab)	3 hrs
Eng	1000	Exposition	3 hrs
R Soc/Soc	1000	Sociology	3 hrs

Sophomore Year

<i>Fall Semester</i>			
Physics	1210	Elem College Physics	4 hrs
P&A	2201/2203	Elem Anat lec & lab	5 hrs
ECP	4170	Educ statistics MRP	3 hrs
		Humanities	3 hrs

<i>Spring Semester</i>			
M P Phys	3202	Elem of Physiology	5 hrs
Microbiol	3200	Med/Pub Hlth Microbiology	4 hrs
CPD	2190	Medical Terminology	3 hrs
CPD	4480	Clinical Ethics	3 hrs

Junior Year

<i>Summer Semester</i>			
RT	3000	Fundamentals in Respiratory Care (internet)	1 hr

<i>Fall Semester</i>			
HP	3200	Essentials of Pathology	2 hrs
RT	3220	Equipment & Techniques	5 hrs
RT	3941	Clinical Practice 1	2 hrs
RT	3290	Cardiopulmonary Pharmacology	2 hrs
RT	4040	Pulmonary Pathophysiology	5 hrs

<i>Spring Semester</i>			
RT	3420	Ventilator Applications	3 hrs
RT	3942	Clinical Practice 2	4 hrs
RT	3440	Mechanical Ventilation Lab	3 hrs
RT	4020	Perinatal-Neonatal RT	3 hrs
CPD	3460	Cardiopulmonary apps 1	3 hrs

Senior Year

<i>Summer Semester</i>			
RT	3943	Clinical Practice 3 (intersession)	2 hrs
CPD	4460	Cardiopulmonary applications 2	3 hrs
RT	4220	Community health education I (internet)	1 hr
RT	4240	Pulmonary Rehab (internet)	3 hrs

<i>Fall Semester</i>			
RT	4940	Clinical Practice 4	5 hrs
CPD	4440	Organization & Admin (internet)	3 hrs
CPD	4500	Bioterrorism (internet)	1 hr
CPD	4955	Intro to Research (WI)	3 hrs
RT	4420	Pediatric Resp Care (internet)	3 hrs
RT	4620	Pulmonary Function Technology	1 hr

<i>Spring Semester</i>			
RT	4973	Clinical Practice 5 (Cap)	4 hrs
RT	4983	Clinical Practice 6 (Cap)	5 hrs
RT	4993	Clinical Practice 7 (Cap)	5 hrs
RT	4460	Clinical RT I (WI) (internet)	3 hrs
RT	4920	Community health education II (internet)	1 hr

+ One course required: Sociology, Anthropology or Economics

* *Applications for admission* are due February 1 (Spring Semester, sophomore year)

WI = Writing Intensive Course

MRP = Math Reasoning Proficiency Course

Cap = Capstone

NOTE: Schedule intended as an example only. All pre-and professional level students should seek advising either through the School of Health Professions Student Affairs Office (573-882-8011) or with Shawna Strickland, Respiratory Therapy Program Director (573-882-9722 or StricklandSL@health.missouri.edu).

**University of
Missouri**

**Get your degree
from Mizzou
in St. Louis!**

**BHS in Respiratory
Therapy!**

FAST FACTS ABOUT MU RESPIRATORY THERAPY

Degree:
**Bachelor of Health Science in
Respiratory Therapy**

Program established in 1969

**First baccalaureate degree
in respiratory therapy in the
United States**

**Accredited by CAAHEP and
CoARC**

**Program job placement rate:
100%**

**Program pass rate on
advance level board
exams: 100%
(national pass rate: 60%)**

**Program pass rate on entry
level board exam: 100%
(national pass rate: 79%)**

For more information, contact

Shawna Strickland, PhD, RRT-NPS
Program Director
605 Lewis Hall
(573) 882-9722
StricklandSL@health.missouri.edu

or send an email to:
breathe@missouri.edu



Why Respiratory Therapy?

Respiratory Therapists work with patients of all ages and in many different health care settings. Respiratory Therapists are members of the health care team that provide respiratory care for patients with heart and lung disorders. Respiratory Therapists perform procedures that are both diagnostic and therapeutic. Most Respiratory Therapists work in hospitals where they perform intensive care, critical care, and neonatal procedures. They are a vital part of the hospital's lifesaving response team that handles patient emergencies. About 5,700 hospitals in this country have separate respiratory care departments. An increasing number of Respiratory Therapists are now working in skilled nursing facilities, physician's offices, home health agencies, specialized care hospitals medical equipment supply companies and patients' homes.

What classes should I take?

Anyone interested in pursuing a career in Respiratory Therapy should be taking as many courses in biology, chemistry, physics, math and humanities. Everyone should realize the need for the development and maintenance of a sense of personal responsibility and accountability that is necessary in a health care professional.



What is the job outlook for respiratory therapists?

Opportunities for Respiratory Therapists are excellent! Jobs are expected to increase faster than average due to the expansion of medical facilities and programs. Respiratory Therapy is one of the

fastest growing allied health professions. Recent advances in medicine require the respiratory care practitioner to assume greater responsibility in the treatment of patients with cardiopulmonary

dysfunction.

An individual starting in a career as a Registered Respiratory Therapist (RRT) can expect an annual salary of between \$37,650 and \$50,860.

Want to see what being a Respiratory Therapist is all about?

**University of Missouri
Respiratory Therapy**

To observe a respiratory therapist at
St. John's Mercy Medical Center in
St. Louis, Missouri, please contact:

Jennifer Orscheln, BHS, RRT, RPFT
314-251-5965
Jennifer.Orscheln@Mercy.net

Or

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<http://www.shp.missouri.edu/rt>



School of Health Professions
University of Missouri

TO TEACH. TO SERVE. TO DISCOVER.