

RESPIRATORY CARE, ASSOCIATE IN APPLIED SCIENCE

Forest Park

This program prepares students for positions as respiratory therapists. Students learn to evaluate, treat, and manage patients with cardiopulmonary disorders in a variety of settings. Persons interested in the program should be team-oriented, compassionate individuals who derive satisfaction from helping others in time of need. They also should be able to tolerate moderate physical activity and long hours of standing, and work effectively under stress.

Graduates are eligible to take the Therapist Multiple Choice and Clinical Simulation examinations offered through the National Board for Respiratory Care (<http://www.nbrc.org>) in order to obtain the Registered Respiratory Therapy (RRT) credential. Employment is available through hospitals, clinics, home care agencies, rehabilitation centers, education, and medical equipment sales.

The program includes courses in natural sciences, humanities, and respiratory care, in addition to clinical practice at area health facilities. This program has prerequisites based on professional standards. Contact an advisor at the Forest Park campus for further information.

The Respiratory Care Program (Program #200050) offering an Associate's in Applied Science (AAS) degree at the Forest Park campus located at 5600 Oakland Avenue, St. Louis, MO is accredited by the Commission on Accreditation for Respiratory Care (<http://www.coarc.com>) (CoARC).

Cost of Attendance. For more information on cost of attendance visit MoSCORES (<https://scorecard.mo.gov/Search/>).

Program Career and Salary Information. Pursuant to Missouri HB 1606 (2018), information regarding the number of credit hours, program length, employment rate, wage data, and graduates employed in careers related to their program of study at St. Louis Community College can be found at the following URL: <https://scorecard.mo.gov/scorecard/> (https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E_i2lO96zEytILO-s5xaJCQ). Search using School / Program "St. Louis Community College" and choose the degree or credential type of interest.

The following limitations to the data apply: Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

Interested in this program? Start the enrollment process by visiting the Apply to STLCC (<https://www.stlcc.edu/admissions/apply-to-stlcc/>) page.

At the completion of the program, students are expected to:

1. evaluate data to assess the cardiopulmonary status of a patient and appropriateness of prescribed respiratory care.
2. develop respiratory care plans in a variety of settings and modify if necessary.

3. initiate appropriate therapeutic interventions, monitor patient responses, and modify therapy to achieve goals.
4. promote cardiopulmonary wellness, disease prevention and management, and patient/family/community education.
5. perform diagnostic and therapeutic procedures in a safe and effective manner.
6. apply problem-solving strategies in the patient care setting.
7. demonstrate effective oral and written communication skills.
8. conduct themselves in an ethical and professional manner.

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully complete a civics examination. Information on who is eligible for a waiver can be found on our website: <https://stlcc.edu/programs-academics/missouri-civics-exam.aspx>.

Program of Study

Code	Title	Credit Hours
Career General Education		
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP)	4
BIO 208	Anatomy and Physiology II	4
ENG 101	College Composition I (MOTR ENGL 100)	3
XXX xxx	Social & Behavioral Sciences: Civics Requirement	3
Select one of the following:		3
ENG 102	College Composition II (MOTR ENGL 200)	
COM 200	Communication Between Cultures (MOTR SBSC 101)	
COM 117	Health Communication	
PSY 200	General Psychology (MOTR PSYC 100)	3
Program Requirements		
RC 100	Foundations of Respiratory Care	3
RC 110	Cardiopulmonary Anatomy and Physiology	3
RC 120	Respiratory Care Practices I	5
RC 130	Patient Assessment	3
RC 140	Respiratory Pharmacology	2
RC 150	Respiratory Care Practices II	4
RC 160	Mechanical Ventilation I	4
RC 170	Respiratory Care Clinical Practice I	1
RC 180	Cardiopulmonary Diseases	3
RC 190	Respiratory Care Clinical Practice II	1
RC 200	Adult Critical Care	3
RC 210	Mechanical Ventilation II	4
RC 220	Neonatal and Pediatric Respiratory Care	3
RC 230	Respiratory Care Clinical Practice III	2
RC 240	Respiratory Care Specialties	3
RC 250	Respiratory Care Capstone	4
RC 260	Respiratory Care Clinical Practice IV	2
Total Credit Hours		70

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PLEASE NOTE: If you originally enrolled at STLCC prior to Fall 2021, you may need to view an archived catalog (<https://www.stlcc.edu/programs-academics/course-catalog/>) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

This plan is a suggested semester-by-semester course schedule. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on Placement exam scores, scheduling, degree requirements, and graduation requirements. **The Respiratory Care Program has additional admission criteria that must be met in order to enroll in the Respiratory courses.** Contact an advisor or the Program Coordinator for specific information.

Additional information is available at <https://www.stlcc.edu/programs-academics/pathways/health-sciences/respiratory-care/index.aspx> (<https://www.stlcc.edu/programs-academics/pathways/health-sciences/respiratory-care/>)

Prerequisites to Apply to the Respiratory Care Program:

- English and Reading proficiency
- Math proficiency: students must either place into MTH 160/161/180 **OR** complete MTH 140 or higher with a "C" or higher within 5 years
- Chemistry: students must have completed two semesters of high school chemistry with lab **OR** one semester of college chemistry with lab (STLCC CHEM 101 or higher) with "C" grade or higher within 5 years
- Anatomy & Physiology I (STLCC BIO 207) completed with a "C" or higher within 5 years
- Cumulative GPA of 2.5 or higher

Courses to be Completed Prior to Semester 1

Code	Title	Credit Hours
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP)	4
BIO 208	Anatomy and Physiology II	4
Total Credit Hours		8

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Fall				
RC 100	Foundations of Respiratory Care	3	Reading Proficiency.	
RC 110	Cardiopulmonary Anatomy and Physiology	3	BIO 208 with a "C" or higher, Program Admission, and Reading Proficiency.	
RC 120	Respiratory Care Practices I	5	BIO 208 with a "C" or higher, Program Admission, and Reading Proficiency.	
RC 130	Patient Assessment	3	BIO 208 with a "C" or higher, Program Admission, and Reading Proficiency.	
	Credit Hours	14		
Spring				
RC 140	Respiratory Pharmacology	2	RC 120 and RC 130 with grades of "C" or higher, and Reading Proficiency.	
RC 150	Respiratory Care Practices II	4	RC 100, RC 110, RC 120, RC 130 all with grades of "C" or higher, and Reading Proficiency.	
RC 160	Mechanical Ventilation I	4	RC 100, RC 110, RC 120, RC 130 all with grades of "C" or higher, and Reading Proficiency.	
RC 170	Respiratory Care Clinical Practice I	1	RC 100, RC 110, RC 120, RC 130 all with grades of "C" or higher, and Reading Proficiency.	
ENG 101	College Composition I (MOTR ENGL 100)	3	Placement score or ENG 030 or ENG 070 with a grade of "C" or better or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079.	
	Credit Hours	14		
Summer				
RC 180	Cardiopulmonary Diseases	3	RC 140, RC 150, RC 160, RC 170 all with grades of "C" or higher, and Reading Proficiency.	

RC 190	Respiratory Care Clinical Practice II	1	RC 140, RC 150, RC 160, RC 170 all with grades of "C" or higher, and Reading Proficiency.	
	Credit Hours	4		
Second Year				
Fall				
RC 200	Adult Critical Care	3	RC 180 and RC 190 with grades of "C" or higher, and Reading Proficiency.	
RC 210	Mechanical Ventilation II	4	RC 180 and RC 190 with grades of "C" or higher, and Reading Proficiency.	
RC 220	Neonatal and Pediatric Respiratory Care	3	RC 180 and RC 190 with grades of "C" or higher, and Reading Proficiency.	
RC 230	Respiratory Care Clinical Practice III	2	RC 180 and RC 190 with grades of "C" or higher, and Reading Proficiency.	
ENG 102 or COM 117 or COM 200	College Composition II (MOTR ENGL 200) or Health Communication or Communication Between Cultures (MOTR SBSC 101)	3	ENG 101 with a grade of "C" or better and Reading Proficiency.	
	Credit Hours	15		
Spring				
RC 240	Respiratory Care Specialties	3	RC 200, RC 210, RC 220, RC 230 all with grades of "C" or higher, and Reading Proficiency.	Apply for graduation
RC 250	Respiratory Care Capstone	4	RC 200, RC 210, RC 220, RC 230 all with grades of "C" or higher, and Reading Proficiency.	Complete National Board Review Exams
RC 260	Respiratory Care Clinical Practice IV	2	RC 200, RC 210, RC 220, RC 230 all with grades of "C" or higher, and Reading Proficiency.	
PSY 200	General Psychology (MOTR PSYC 100)	3	Reading Proficiency or concurrent enrollment in RDG 079.	
Social & Behavioral Sciences: Civics Requirement		3		
	Credit Hours	15		
	Total Credit Hours	62		

*Click on the hyperlinked course number to view additional information about the course.

**Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

*** It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.