Respiratory Care – Associate in Applied Science Degree
Total Approved Hours Required: **74**
Revised October 2026

CAMPUS PROGRAM CONTACTS
Program Email: stlcc-respiratorycare@stlcc.edu
Retention Coach: Amy Penick, apenick@stlcc.edu

PROGRAM OF STUDY: Pre-Entry Course Requirements. Any additional prerequisite coursework required to complete pre-entry courses are not factored into total program hours.

Selective Admissions to Health Sciences Programs Prerequisites

Rationale: Students who wish to declare a major in some health professions programs must meet minimum criteria to apply. Admission to a program in the School of Health Professions is selective due to availability and limitations of practicum sites and limitations in the number of students who can be accommodated in clinical groups. All students interested in this program should consult a Student Success Advisor at their campus of their choice. The programs in the School of Health Professions require clinical or field experience as part of the curriculum. A criminal background check, drug screen, and documentation of current immunizations are required (at the student's expense) for participation in clinical or other field experiences. Specific academic criteria for admission are on the second page of this document.

Application Requirements		Cr. Hrs.
Math Proficiency*	Placement into MTH 160: Precalculus Algebra **OR** completion of MTH 140S: Intermediate Algebra w/ Support or higher with a grade of "C" or higher. ***MTH 161 will NOT meet the math requirement for this program.***	0-5
Introductory Science**	Completion of CHM 101: Fundamentals of Chemistry I or higher with a grade of "C" or higher **OR** completion of two semesters of high school chemistry with lab with a grade of "C" or higher for both semesters.	0-5
BIO 207***	Completion of Anatomy and Physiology I with a grade of "C" or higher.	4
English Proficiency	Placement into ENG 101: College Composition I **OR** completion of ENG 101: College Composition I with a grade of "C" or higher.	0-3

General Education Requirements (*not* required to apply):		
ENG 101	College Composition I completed with a grade of "C" or higher.	3
ENG 102 or ENG 103	College Composition II **OR** Report Writing completed with a grade of "C" or higher.	3
XXX xxx	Missouri Civics Requirement completed with a grade of "C" or higher.	3
PSY 200	General Psychology completed with a grade of "C" or higher.	3
BIO 208	Anatomy and Physiology II completed with a grade of "C" or higher. ***Required prior to the start of programmatic courses.***	4

Program Requirements (must be completed with a "C" or higher):		
	First Semester	
RC 100	Foundations of Respiratory Care	3
RC 110	Cardiopulmonary Anatomy and Physiology	3
RC 120	Respiratory Care Practices I	6
RC 130	Patient Assessment	2
	Second Semester	
RC 140	Respiratory Pharmacology	2
RC 150	Fundamentals of Respiratory Care II	4
RC 160	Mechanical Ventilation I	4
RC 170	Respiratory Care Clinical Practice I	1
	Third Semester (Summer)	
RC 180	Cardiopulmonary Diseases	3
RC 190	Respiratory Care Clinical Practice II	1
	Fourth Semester	
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
	Fifth Semester	
RC 240	Respiratory Care Specialties	3
RC 250	Respiratory Care Capstone	4
RC 260	Respiratory Care Clinical Practice IV	2
	Total Hours Required	74

***MTH 140 or MTH 140S must be completed within five years of applying to the program.**
****Chemistry must be completed within five years of applying to the program. Students using high school chemistry to meet the chemistry requirement must have BIO 111 or BIO 140 with a "C" or higher.**
*****BIO 207 must be completed within five years of applying to the program. If BIO 208: Anatomy and Physiology II has been completed with a "C" or higher in the past five years, it can be used to meet this requirement if BIO 207 has also been previously completed.**

Please visit the interactive class schedule for information regarding class times.

Admission to St. Louis Community College does not guarantee admission to the Respiratory Care program. Below is a pre-entry checklist.

	General Pre-entry Requirements (Required for Application):	Check
1	**Application submitted for admission to STLCC.** Please visit www.stlcc.edu/apply.	
2	**Degree Seeking Status.** Official College Transcripts - An official transcript from each college attended must be sent directly from the college attended to the STLCC-Registrar's Office and fully evaluated. Please visit https://stlcc.edu/admissions/apply-to-stlcc/transfer-students/transferring-credit-to-stlcc.aspx for more information.	
3	**Minimum cumulative GPA of 2.5.** *Developmental courses (numbered below 100) completed at any institution will not be counted toward the minimum cumulative GPA. The minimum 2.5 GPA must be maintained while on the Respiratory Care Applicant List. A minimum GPA of 2.0 must be maintained once enrolled into the Respiratory Care Program.* • STLCC students with at least 15 college level credits with a 2.5 GPA will meet this requirement, regardless of the GPA at other colleges. College transfer students with fewer than 15 STLCC credits must have a cumulative 2.5 GPA in college level credits earned at all colleges attended.	
4	**Placement into MTH 160 Precalculus Algebra**. *Placement can be achieved by one of the following:* • Accuplacer: A score of 231 or higher on the Advanced Algebra and Functions section of the math Accuplacer test within the last three years. • SAT: A score of 540 or higher on the math SAT within the last three years. • ACT: A score of 22 or higher on the math ACT within the last three years. • HS Coursework: Algebra II or higher with a grade of "B" or higher within the last 12 months. • HiSet: A score of 15 or higher on the math HiSet within the last three years. **Completion of MTH 140S or higher with a grade of "C" or higher will also fulfill this requirement. *MTH 140S* prerequisites:** • Reading Proficiency	
5	**Introductory Science. This requirement can be met by completing CHM 101 with a grade of "C" or higher <u>OR</u> two semesters of high school chemistry with a lab, both semesters completed with a grade of "C" or higher within five years of application. If using high school chemistry to fulfill this requirement, BIO 111 or BIO 140 are also required. *BIO 111, BIO 140, and CHM 101 prerequisites:*** • Reading Proficiency or concurrent enrollment in RDG 079 (BIO 111) • MTH 140 or MTH 140S or MTH 160S with a grade of "C" or higher or placement into MTH 160, and Reading Proficiency (BIO 140) • MTH 109 or higher with a grade of "C" or higher, or placement into a higher math class, and Reading Proficiency (CHM 101)	
6	**Anatomy and Physiology I: BIO 207 completed with a grade of "C" or higher within five years of application.** ***Prerequisites:*** • BIO 111 or BIO 140 or CHM 101 with a grade of "C" or higher or college-level course equivalent and Reading Proficiency. *Please note that BIO 208 is required prior to the start of programmatic coursework. The prerequisite course for BIO 208 is BIO 207 completed with a grade of "C" or higher and Reading Proficiency. If BIO 207 has expired and BIO 208 has also been completed, BIO 208 will satisfy this requirement to apply if it has been completed within five years of application.*	
7	**Placement into ENG 101 College Composition I.** *Placement can be achieved by one of the following:* • Accuplacer: A score of 250 or higher on the English Accuplacer placement test within the last three years within the last three years. • SAT: A score of 500 or higher on the English SAT within the last three years. • ACT: An ACT English Sub-Score of 18 or higher within the last three years. • HS GPA: A cumulative HS GPA of 2.6 or higher. • HS Coursework: Last two years of high school English grades were "B" average or better **<u>OR</u>** last year of high school English grades were "A" average AND HS GPA is a 2.5 or higher. • HiSet: A score of 15 or higher on the English HiSet within the last three years. • Completion of ENG 070 or ENG 030 with a grade of "C" or higher. **Completion of ENG 101 with a grade of "C" or higher will also fulfill this requirement. *Please see above for a comprehensive list of prerequisites.***	
	When the above criteria have been met, students must submit a signed Respiratory Care Program application. The application must be signed by both the student and Student Success Advisor. Completed applications must be emailed to stlcc-respiratorycare@stlcc.edu. Mailed or faxed applications will not be accepted or processed. All communication from the Respiratory Care program will be sent to *STLCC student email addresses only*. No communication will be mailed or faxed to students. *Admission and degree requirements are subject to change without advance notice.*	