



# Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Certificate of Achievement for Respiratory Therapy

Total number of units: 53 units

Top Code/Academic Plan: 1210.00

Updated on September 12, 2021

Session 1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	RESP TH 002	<b>Fundamentals of Respiratory Therapy</b>	4		Fall semester only.
Program Course	RESP TH 006	<b>Respiratory Physiology</b>	4		Fall semester only.
Program Course	RESP TH 021	<b>Physics of Gas Therapeutics</b>	3		Fall semester only.
Program Course	RESP TH 101	<b>Survey of Respiratory Therapy</b>	2		Fall semester only.

**Total Units 13**

Session 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	COMM 101 or 121	<b>Public Speaking or Interpersonal Communication</b>	3	COMM 101 or 121 must be completed before the start of second year (Clinical).	
Program Course	RESP TH 007	<b>Applied Medicine and Pathology</b>	3		Spring semester only.
Program Course	RESP TH 023	<b>Advanced Respiratory Pathophysiology</b>	1		Spring semester only.
Program Course	RESP TH 029	<b>Neonatal and Pediatric Respiratory Therapy</b>	4		Winter or Spring semester.
Program Course	RESP TH 030	<b>Adult Critical Care Monitoring and Diagnostics</b>	3		Spring semester only.

**Total Units 14**

Intersession	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	RESP TH15	<b>Introduction to Clinical Experience</b>	4		Summer only.

**Total Units 4**

Session 3	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	RESP TH 003	<b>Applications of Respiratory Therapy and Clinical Experience I</b>	5		Fall semester only.
Program Course	RESP TH 004	<b>Applications of Respiratory Therapy and Clinical Experience II</b>	5		Fall semester only.
Program Course	RESP TH 027	<b>Physician Respiratory Care Clinical Rounds I</b>	1		Fall semester only.

**Total Units 11**

Session 4	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	RESP TH 5	<b>Application of Respiratory Therapy and Clinical Experience III</b>	<b>5</b>		Spring semester only.
Program Course	RESP TH 11	<b>Application of Respiratory Therapy and Clinical Experience IV</b>	<b>5</b>		Spring semester only.
Program Course	RESP TH 28	<b>Physician Respiratory Care Clinical Rounds II</b>	<b>1</b>		Spring semester only.

**Total Units      11**

**Degree Path and Requirements:**

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with [counselors](#). Students can apply for certificates as soon as the necessary courses are completed. Meet with a counselor and the financial aid office to ensure continued financial aid. Check with [financial aid](#) for eligibility.

**Department Advising Notes:**

PROGRAM ADMISSION PREREQUISITES: The following courses, demonstrating satisfactory completion with a grade of “C” or better, are required to apply for admission to the Program.

1. Human Anatomy (Anatomy 1) = 4 semester units or Biology 20 (a combined course of Anatomy/Physiology = 8 semester units)
2. Human Physiology (Physiology 1) = 4 semester units or Biology 20 (a combined course of Anatomy/Physiology = 8 semester units)
3. Introductory General Chemistry (Chemistry 51 or 65) = 4 - 5 semester units
4. Intermediate Algebra or its Equivalent (Math 125 or 125S, or 134) = 5-6 semester units
5. English 101 (Freshman Composition) = 3 semester units
6. Microbiology 1 or 20 (General Microbiology) = 4 - 5 semester units

Course Recency Requirement: Students must have received a grade of “C” or better in Physiology 1 and Microbiology 20 or their equivalent within seven (7) years prior to the date of their program application. Communication Studies 101, 121 or 151 is NOT a program admission prerequisite, but is a major requirement, and may be taken at any time prior to the start of the clinical phase of the program, but MUST be completed before clinical placement can be made.

**Program Description**

This program provides students with the strong academic foundation and clinical proficiency necessary to utilize modern respiratory devices (under the direction of a physician) in the complete treatment of cardiopulmonary diseases and other life-threatening conditions.

**Career and Transfer Opportunities**

5 Career Opportunities in the Respiratory Therapy Field:

Registered Respiratory Therapist, RRT.

Adult Critical Care Specialty, ACCS.

Registered Pulmonary Function Technologist, RPFT.

Neonatal/Pediatric Respiratory Care Specialist, NPS.

Sleep Disorders Testing and Therapeutic Intervention Respiratory Care Specialist, SDS.

Home Care RRT.

[5 Career Opportunities in the Respiratory Therapy Field by FNU.](#)

Visit the [Transfer Center](#) for transfer information, which varies based on transfer college. Make an appointment with a [counselor](#). Students can visit [Career and Job Services](#) for career counseling and further exploration. For additional resources, students pursuing a certificate can visit the [American Job Center of California](#) on ELAC main campus.

**Youtube Videos**

[Respiratory Care](#)

**Program Map**

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

**Prerequisite Course**

A specific course that must be completed before advancing to the next course.

Check the online catalog at [elac.edu](http://elac.edu) for the latest and most accurate information.

**Contact**

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