

Respiratory Care Program Assessment

Degree Program Affected:

- Associate in Applied Science (AAS) in Respiratory Care

The respiratory care program, CoARC Program Number 200266, AAS Degree, at Delta College is accredited by the Commission on Accreditation for Respiratory Care.

CoARC Outcomes Thresholds

The program must, at a minimum, meet the outcome thresholds established by CoARC regardless of location and instructional methodology used. **(Standard 3.09).**

Programs not meeting the established CoARC outcomes assessment thresholds must develop an appropriate plan of action for program improvement that includes addressing the identified shortcomings **(Standard 3.11).**

Definition:

The graduation date is the date on which the degree was conferred by the program's educational sponsor, not the date on which the student fulfilled all program requirements.

Outcomes Thresholds Grid-Entry into Practice

PROGRAM OUTCOME	CUT SCORE/DEFINITION AS OF March 14, 2020	THRESHOLD AS OF March 14, 2020
<p style="text-align: center;">TMC High Cut Score Success</p>	<p style="text-align: center;">NBRC high cut passing score (set by NBRC)</p> <p style="text-align: center;">Determined by calculating the percentage of program graduates who achieved the high cut score {i.e. dividing the number of program graduates achieving the high cut score (numerator) by the total number of graduates (denominator)} in each three-year reporting period.</p>	<p style="text-align: center;">60% of total number of graduates achieving the high cut score (3-year average)</p>
<p style="text-align: center;">RRT Credentialing Success</p>	<p style="text-align: center;">N/A</p> <p style="text-align: center;">(programs are still required to provide RRT outcomes data on annual reports, however, no accreditation actions will be taken based on RRT credentialing success)</p>	<p style="text-align: center;">N/A</p>
<p style="text-align: center;">Retention (Attrition)</p>	<p>Programmatic retention: defined as the number of students formally enrolled* in a respiratory care program during a three-year reporting period who graduated from the program after completing all programmatic and graduation requirements, calculated as a percentage of the total number of students initially enrolled in that class.</p> <p>The total number of students enrolled includes those who successfully completed the program as well as students who left the program for academic reasons (failure to achieve minimum grade requirements, ethical, professional or behavioral violations or violations of academic</p>	<p style="text-align: center;">70%</p>

	<p>policies) that resulted in their expulsion from the program prior to graduation.</p> <p>Students are not included in the retention definition who:</p> <ul style="list-style-type: none">• leave the program by the last day they are eligible for 100% tuition reimbursement within the first term of fundamental respiratory care core coursework** <p>OR</p> <ul style="list-style-type: none">• are in good academic standing who leave the program due to: financial, medical, or family reasons, military deployment, a change in their course of study, relocation to a different community, or reasons other than those described under academic reasons; <p>OR</p> <ul style="list-style-type: none">• are admitted to another educational program (same or different educational institution) prior to the scheduled graduation date of their RT class. <p>*Programmatic enrollment begins when a student enrolls in the first core respiratory care course (non-survey, non-prereq) available only to students matriculated in the respiratory care program. This may differ from the institutional definition of the enrollment or matriculation dates.</p> <p>**Fundamental respiratory care coursework is defined as: Professional coursework, focused on the preparation of the student as a competent Respiratory Therapist, as defined in CoARC Standard 3.01.</p>	
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Job Placement	Defined as a graduate who, within the three-year reporting period, is employed utilizing skills within the scope of practice of the respiratory care profession (i.e., full-time, part-time, or per-diem).	N/A
Graduate Survey – Overall Satisfaction*	A rating of 3 or higher on a 5-point Likert scale for overall satisfaction. The calculation is as follows: # surveys with scores greater than 3 # surveys returned – # surveys omitted.	At least 80% of returned graduate surveys rating overall satisfaction 3 or higher on a 5-point Likert scale.
Graduate Survey – Participation	The total number of program graduates employed in respiratory care who return their graduate survey.	N/A
Employer Survey – Overall Satisfaction*	A rating of 3 or higher on a 5-point Likert scale for overall satisfaction The calculation is as follows: # surveys with scores greater than 3 # surveys returned – # surveys omitted	At least 80% of returned employer surveys rating overall satisfaction 3 or higher on a 5-point Likert scale
Employer Survey – Participation	The total number of employers of program graduates who return their employer survey	N/A


Summary/Conclusion:

The data continues to be above threshold than it was prior to the curriculum revision. The program faculty are confident that the changes from course packs to outlines along with incorporating a new textbook/workbook has made a positive difference with students and will continue to monitor. The decrease in RRT credentialing success scores from the 2021 cohort might be explained by them working 60 plus hours after

graduation during the COVID pandemic and at the time of data submission 33% had not attempted their board exams. One 2021 graduate never attempted board exams or employment as an RRT. 2022 graduation statistics 88%, 15 out of cohort of 17. RRT 93% 14 out of 15, the remaining student received an Incomplete due to Title IV and has since graduated, currently employed full time, and will attempt boards soon.

Since becoming program coordinator June 2020, the following has been implemented and has shown improvement in both test and board scores:

- Establishing a minimum passing score from 73% to 75% in 2022. In the previous 10 years, students graduating with an average of 73% never attempted and/or never worked in the field of respiratory care.
- Enrolled all respiratory care students and new cohorts into Academic Coaching offered by the TLC at Delta College.
- Incorporate Simple Syllabus into all RC courses.
- Format D2L RC course shells with clinical education coordinator.
- Eliminated course packs and provide outlines for didactic RC courses. Student responses have been positive.
- In Fall 2022, incorporated new fundamentals textbook and workbook (Gold Standard) utilized by most RC programs.



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	2021	2020	2019	2018	2017	2016	Threshold	Current Period 3 year average 2019-2021	Previous Period 3 year average 2018-2020
Retention	88%	88%	94%	94%	88%	88%	70 %	90%	92%
Job Placement	93%	100%	100%	93%	93%	100%	0 %	98%	98%
RRT Credentialing Success	64%	85%	87%	86%	87%	100%	0 %	79%	86%
TMC High Cut Score Success	86%	85%	93%	93%	87%	100%	60 %	88%	90%
Overall Employer Satisfaction	100%	100%	100%	100%	100%	100%	80 %	100%	100%
Overall Graduate Satisfaction	100%	100%	100%	100%	100%	100%	80 %	100%	100%

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